

1-2-3-Rebound!  
Lotus Notes Some  
Prosperity-p. 22

Hot: Presentation  
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Meeting Up with  
the Media-p. 42

MARCH 1994 \$2.50

# COMPU SERVE

M A G A Z I N E



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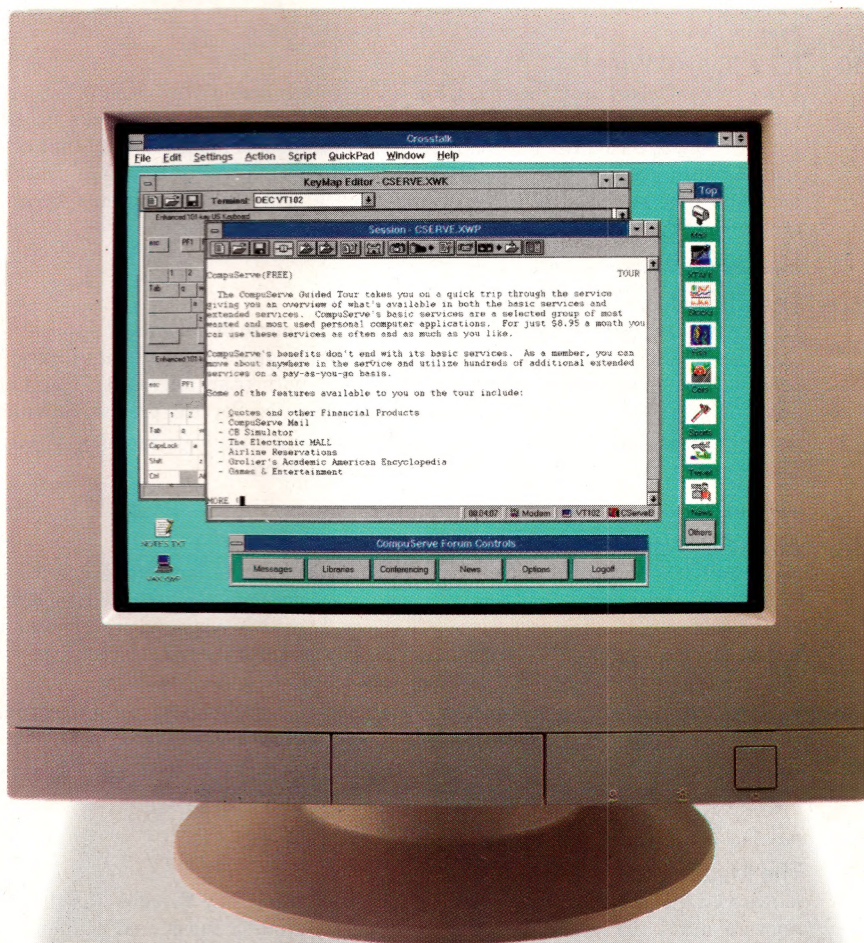
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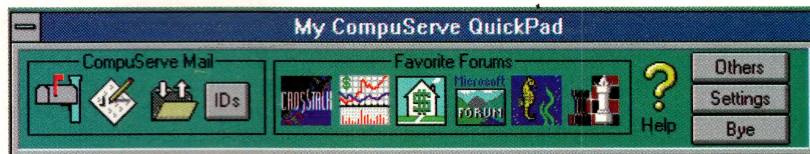


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*CompuServe Magazine* (ISSN 0891-4672) is published monthly in the United States of America by CompuServe Incorporated, 5000 Arlington Centre Blvd., Columbus, OH 43220. Canadian GST registration No. R127010582.



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CompuServe® Magazine™, March 1994

Volume 13 Number 3

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## Dear Reader

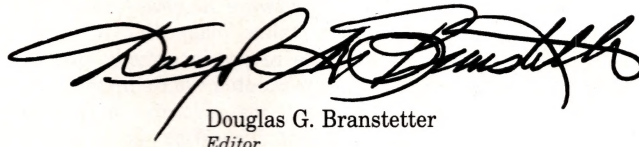
Even if you don't consider the simple act of logging onto CompuServe to be as socio-politically significant or sci-fi sounding as "jacking into the Matrix" implies, there's something of interest for you in our "All Things Cyber" cover story beginning on page 10. Headline writers have fallen head over heels for this new prefix that suggests the future of anything. But if you look closely at cyber-this and cyber-that, there's a legitimate computer culture emerging, full of pioneering (and online) individuals striking out to develop concepts like cyberlaw and gee-whiz technology such as home-brew virtual reality. In our assortment of cyber-prefixed terms, you'll recognize words you've seen (perhaps many times) before, such as cyberspace and cybersex, and find other catchwords we've coined, such as some people's what-can-I-get-away-with "cyberego" and John Ratcliff's nifty multimedia "cybersearch" for an old college friend. There's also a massive listing of some fun and thought-provoking cyberdownloads, many related to the article's entries. As the popular Macintosh Hypercard stack *Beyond Cyberpunk* exclaims, "Into the Future!"

\* \* \*

While we're on the subject of the future, CompuServe members who spend time downloading message threads and library files from any of the extended-service forums or who use other hourly-priced services can now look forward to paying less. CompuServe has lowered connect rates for the Information Service by up to 40 percent: The hourly fee for baud rates from 300 through 2,400 bps is now \$4.80, while access at the 9,600 and 14,400 bps rates is now only \$9.60. These savings are being passed onto members as a result of operating costs lowered by CompuServe's use of enhanced technology and "commodity hardware" such as PCs in the host computer environment (translation: we're able to run better, faster and cheaper). As we continue to add more and more basic services—there are currently more than 60—CompuServe retains its status as the most comprehensive information service and best value for anyone's online dollar. Take advantage of this new pricing and explore areas of the service you haven't charted yet, and the forums and databases featured in the pages of *CM* every month. If you've been saving certain services "for later," later is finally here. Enjoy!

\* \* \*

Due to an ownership dispute regarding the terms "WinNav" and "Navigator for Windows," CompuServe will no longer be using these terms in association with its new automated access program. The program, now titled **CompuServe Navigator™**, **Windows version**, or **CSNav™** for short, is a batch-oriented interface to the CompuServe Information Service developed by CompuServe Incorporated. It allows you to save on connect time with offline message reading and composition, as well as scripted downloading of library files, message threads and information (such as weather reports or stock quotes) from services that you frequently access (see the January 1994 *CM* article "Automated Access, Windows Style" for more information). "Windows Navigator" and "WinNAV" are claimed as trademarked names of FlashPoint Development's shareware shell, file manager and finder program for Windows, and should not be used in reference to CompuServe Navigator, Windows version. The official release of CSNav reflects this name change within the program itself as well as within its online help systems and printed documentation. GO commands for the online download and support areas have changed as well: To access the CSNav Download Area, GO CSNAV; and to visit the CSNav-Win Support Forum with questions about the program, GO WCSNAVSUP.



Douglas G. Branstetter  
Editor

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## OS/2

I really appreciated the article "OS/2 Grows Up" (December, p.19). I've been working with OS/2 for more than two years in business-related programming environments, and I have used version 1.3 through the latest and greatest: version 2.1.

I'll admit that in the beginning, IBM didn't do it quite right. Almost a year and a half ago, I developed COBOL II/DB2 applications in a PC programming environment, using OS/2 1.3 and Extended Services DBM. It was rough around the edges, and we constantly required the use of Dual Boot to use our Windows-based products. If it weren't for the large memory addressability, we might have dropped OS/2. But with OS/2 2.1, we do some serious PC programming, and we've run into very few problems. Multitasking is now something I can take for granted.

Brian Moore  
Cedar Rapids, Iowa

In his article, Andy Rathbone expresses exactly what I'm thinking. Nobody can afford to ignore OS/2. It's not simply, as a German computer magazine calls it, "the better Windows," it is also a "better DOS." My DOS applications run about two to three times faster and are more stable in their protected environment. It's fantastic how OS/2 can recover from crashes and near-crashes; re-booting becomes a rare event. After I bought a word processor for OS/2 and a fax program compatible with it, I am, for the first time in my life as a computer user, really satisfied. Now, how about developing a WinCIM for OS/2?

Rainer Schaefer  
Bad Öynhausen, Germany

It's good to see that OS/2 is finally becoming more widely accepted. However, OS/2 has been "grown up" since version 2.0, released in March '92. It was only with the release of version 2.1 in June '93 that OS/2 became more popular and was looked upon as a viable competitor.

Jonathan Chau  
Edmonton, Alberta, Canada

## Uncommon Travel

While I wholeheartedly endorse Elliot R. Berrin's observations about the beauty of my home province ("The Greater Escape," December, p.10), I must admit it was no small surprise to learn that we have become an island. Nova Scotia is a peninsula, joined to the rest of Canada via New Brunswick by the Isthmus of Chignecto. Also, New Brunswick is the true home province of Magnetic Hill.

Howard D. Creamer  
Guys County, Nova Scotia, Canada

## Internet

Cathryn Conroy must be blessed with a wonderful sense of timing as well as good knowledge of the Internet ("Welcome to Internet," December, p. 40). I was home for the Thanksgiving holiday and read her article on how CompuServe members can access the Internet. My sister, who lives eight hours away, told me that she had an Internet account through her university. Now, I am able to correspond with her faster than regular mail and cheaper than Ma Bell.

My only regret is that the article didn't delve enough into why some Internet messages arrive postage due.

Jim Mosley  
St. Louis, Missouri

*Editor's Note: See Charlie Bowen's column on p. 66 for information on postage due Internet messages.*

## Financial Software

I read "Finance Gets Personal" (November, p.32) with great interest. In Germany, money management software and electronic banking are becoming propositions you can't turn down. My bank has informed me that every check and remittance issued on paper for my business account will cost an extra 60 cents in 1994. Payments made electronically will probably not bear this burden.

This is particularly interesting because in Germany, Microsoft Money is sold with an integrated communication front end for BTX, German Telekom's computer network system which, among other services, establishes online connections to all major German banks. Microsoft Money's standard software configuration provides a function equivalent to CheckFree at no extra cost and makes electronic banking a viable remedy against rising bank charges.

Timo Schnitzlein  
Munich, Germany

## Software

I was pleased to read the favorable review of our product, Timewise, in the magazine ("Software Reviews," December, p.57) and in Online Today (GO OLT-5840). However, the review incorrectly cites Dynamic Software Solutions of Bellingham, Washington, as the manufacturer of TimeWise. The maker of TimeWise is actually David Berman Developments; Dynamic Software Solutions is a reseller.

A copy of the two-month trial of TimeWise is available free to CompuServe members in Library 15, "Accounting," of the Office Automation Forum (GO OAFORUM).

Stephanie Langford  
David Berman Developments Inc.  
Ottawa, Ontario, Canada

## Behind the Screens

Belated comments on John Edwards' "Fax, but No Fax" column ("Behind the Screens," November, p.8) and the replies it engendered:

Do any of you guys know how dead this horse is? I played a minor part in flogging it more than six years ago, and I haven't heard anything new since.

Let's keep this simple: Use electronic mail when you want your computer to understand the text, such as when I'm submitting a letter for publication and the editor doesn't want to rekey it. Use fax when you're sending to another human being and formatting matters. The niceties of typographic control really do improve the reader's ability to gauge the writer's intentions.

Eventually, some technology that takes after Adobe Acrobat will give us the best of both worlds. We're not at a point where the data interchange standards we need actually exist and are widely accepted. Until then, why don't you all relax, take a deep breath and feel some healthy delight that both fax and electronic mail actually work. We've lost our appreciation for miracles.

Bob Lewis  
Minneapolis, Minnesota

They really bashed John Edwards' article on the Letters page (January, p.4), but I thought it had a lot of good points. I was about to mail a file on a floppy to a friend in Reno but decided to send it via e-mail. It worked great, and I didn't have to wait on the postal service. I then sent a copy of it to another friend in Buffalo. I guess I could have "faxed" the file and let my friends retype it. How do you type a binary file anyway?

Jim Moore  
Orange Park, Florida

## Send a Letter

Send your letter to the editor by CompuServe Mail to 76004,3302 and receive a \$25 connect credit if it is published. **We cannot acknowledge letters or answer questions through this User ID.** For questions, problems, address changes, etc., please contact Feedback (GO FEEDBACK) or call Customer Service in the United States at 800-848-8990; in France, 36 63 81 31; in Germany, 0130 86 46 43; or the United Kingdom, 0800 289458. GO QUESTIONS for other countries' Customer Service numbers.



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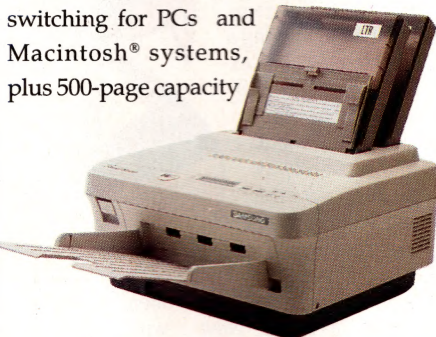
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GO OLI for more information.



# MONITOR

## Watching TV Without the Tube

How can you view a network TV show minus the commercials and canned laughter? By visiting the production in person. ShowBiz Forum (GO SHOWBIZ) members regularly swap advice on how to get tickets to the hottest shows.

"We recently had a thread about someone's experience at *The Late Show with David Letterman*," recalls Don Devich, the forum's sysop. "One of the producers of the show is online in the forum, and he gave us the address to write for tickets" (*Late Show with David Letterman*, Tickets, 1697 Broadway, New York, NY 10019).

West Coast member Mark Bailey says the easiest way to get tickets to a prime-time show in Los Angeles is to stop by the Audiences Unlimited box office at the Fox Center on Sunset Boulevard. "They're free," he notes. "The only caution is to plan at least three months ahead for such shows as *Murphy Brown* and *Home Improvement* because tickets are in such high demand."

Bailey adds that Audiences Unlimited personnel frequently visit show waiting areas to distribute "priority" tickets for other productions. "While waiting to get into *Coach* recently, we were offered tickets for *Dave's World* later that night," he notes. "We accepted them and had a great night's entertainment."

But member Michael Barnard offers a word of caution: "Many TV shows are very, very tedious to sit through. It's not uncommon for a half-hour sitcom to take three hours to tape. A very long, boring three hours." But, he adds, "it's always fun the first time."

## Contributors

Cathryn Conroy, John Edwards, Lindsay Van Gelder, Tracy Mygrant

## Fat Guys in Thongs? There's More to Sumo

You see its participants parodied on TV and lampooned in magazine ads, but, for many members of the Japan Forum (GO JAPAN), the sport of sumo packs the excitement of football, the strategy of golf and the mythology of baseball into a single unforgettable event.

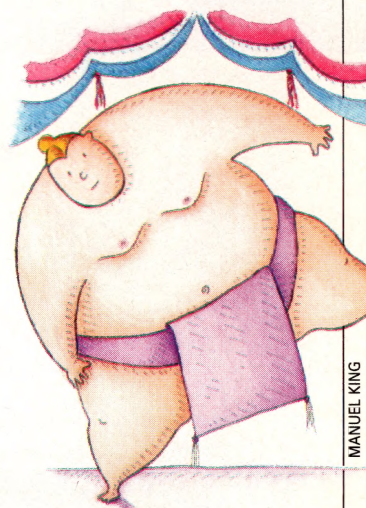
"The sport is something uniquely Japanese," says forum member Graham Clarke. "The *rikishi* (sumo wrestlers) are like living gods in Japan. It's considered a good thing to have your baby held in the arms of a *rikishi*."

Member Michael Finamore likes sumo for all the things it's not: No \$84 million contracts for unproven talent. No petu-

lant superstars stating "play me or trade me." No spitting on the fans or ignoring autograph requests. No dancing in the end zone. No owners threatening to move the team to New Jersey.

"Sumo is the king of wrestling," says member Patrice Pothier. "The legend says that sumo appeared as a contest between two kings on the background of a religious context. This explains why the draped roof above the arena is in the form of a Shinto sanctuary."

Pothier notes that sumo functions on a higher level than any Western sport because it is ritualized and civilized. She also believes it is not followed by a large number of Americans, not because they wouldn't



be interested, but because they don't know about it.

To learn more about sumo, visit the Japan Forum and join the members in Section 8, "Sports & Games."

## Indifferent Strokes: Teaching Kids and Kin to Like PCs

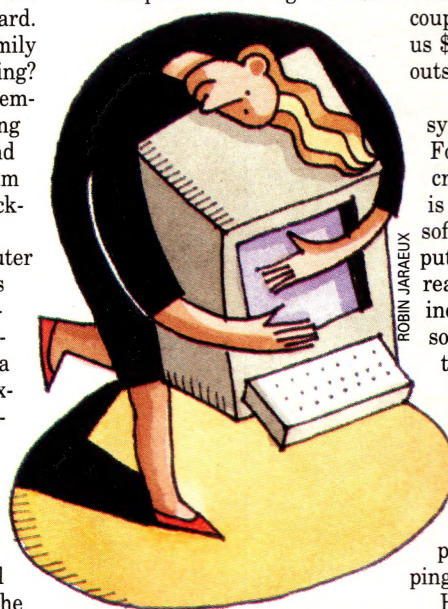
You love computers, but your spouse, daughter or son would rather wash the cat than sit behind a keyboard. How can you spark a family interest in personal computing?

In separate sessions, members of the Computer Training Forum (GO DPTRAIN) and the IBM New Users Forum (GO IBMNEW) recently tackled this vexing problem.

John Warne, a Computer Training Forum sysop, says the best way to create interest is to introduce the computer as a tool for achieving a specific objective. "For example," he says, "my 18-year-old daughter couldn't have cared less about computers until halfway through her first semester at college. Thanksgiving break came around, and all her friends were home for the holidays. Some were using e-mail to keep in touch. Now she wants to access the network at Florida State University to

talk with her friends. A computer is suddenly important."

Computer Training Forum



member Brian Cutick got his wife interested when he explained how the computer saves money. "When my spouse was

job hunting, I did her resumé using desktop publishing software," he says. "What took me a couple of hours would have cost us \$75 to \$100 had we used an outside resumé service."

Holly Henry-Pilkington, a sysop in the IBM New Users Forum, thinks the best way to create interest in a computer is to provide the person with a software package that computerizes a task he or she already does. Her suggestions include a word processor for someone who does a lot of typing, a checkbook balancer for the spouse who's still subtracting by hand, a recipe database or menu planner for the family chef, and a grocery list maker for the partner who does the shopping.

Henry-Pilkington, however, had no problem getting her husband interested in computers. She met him on CompuServe.



## Germ-Free Generosity

Anyone who doubts that the online community has a gigabyte-sized heart hasn't been hanging around the Macintosh Hardware Forum (GO MACHW).

It began last fall when forum member Charlie Downs posted a message noting that his 23-year-old daughter, Dee, was making plans to enter the hospital in early 1994 for a bone marrow transplant. In keeping with the usual procedures for such operations, she was going to have to remain in a sterile environment for as long as three months to ward off infection. He wanted to know if the young woman could possibly keep her Apple DuoDock at her bedside; patients were far more

likely to come through the grueling experience if they kept their spirits up, he explained. Did anyone know how to sterilize a computer?

No one did at first, but that didn't stop forumites from tackling the problem. A doctor from the Yale School of Medicine searched electronic databases for medical articles about sterilizing other electronic equipment; an anesthesiology professor from Stanford made specific suggestions about procedures that might work. Dozens of other online denizens sent advice, prayers and best wishes.

Meanwhile, a medical device manufacturer volunteered a free sterilizing unit if the hospital was reluctant to use its own

on the computer. Finally, Peter Fletcher, the product manager of Apple's PowerBook division, logged on, read the thread and donated a new machine to Dee so that she didn't have to worry about any risks in sterilizing her own system.

Downs and his family were "overwhelmed" by the outpouring of support. "I cannot tell you how it feels to have so many knowledgeable people respond so quickly to our needs," he says.

Technical note: The computer will be sterilized with ethylene-oxide gas. And Dee will be on the forum—as a gift from the sysop, who offered her free connect time for the duration of her hospital stay.

## No Bones About It

The Astronomy Forum (GO ASTROFORUM) has a policy against using messages to advertise, but a recent thread entitled "Buy/Sell/Trade?" was such a classic that Sysop Dick DeLoach decided to bend the rules a little.

"For 20 years," it began, "I have tenderly exchanged reverence with a little old lady who lived several hundred years ago, probably. I have only her skeleton, which I acquired so that I could learn the osseous innards of my living patients without directly looking. Her bones are exquisite and beautifully articulated. Attachments of important soft tissues are marked and labelled." But the good doctor was semi-retired now "and therefore approaching eternity," which meant that his interest "in sky things is supplanting biological mending and meddling." Would anyone trade a nice telescope for the bones?

Well, plenty of forumites were interested in the skeletal/celestial deal, but one horrified forum member felt compelled to warn the doctor that he was blowing the best of both worlds; he was, after all, "giving away the perfect Astrowidow, who doesn't mind the money spent on telescope stuff instead of siding for the house." To read the entire thread, see BONES.THD in Library 1, "General."

## Here's a French Fry in Your Eye

Not quite sure what to do with your leftovers? Why not join a Cook's Online Forum (GO COOKS) "food fight"?

The first food fight started in a November 1993 conference that had no planned topic. "When a member typed in that the conference was boring, another member 'threw' food at the offender, and it became a free-for-all," says Sysop Jenee Burns.

Since then, Judy Gruhn, leader of Section 14, "Nutri-

tion," has held two official food fights. Members verbally aim their "ammunition" at other members, who can duck or get squarely hit ("SPLAT!") and retaliate.

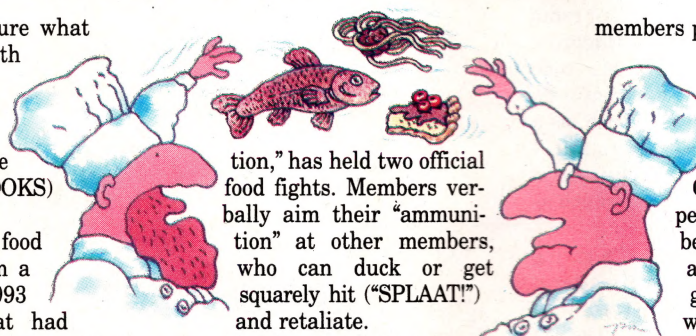
The fun part is thinking of things to throw, says forum member Randy Carlson. Flying cuisines have included whipped cream, cheesecake, moldy parsley, old spaghetti, navy beans and even frogs' legs and monkfish. Generally, 12 to 15

members participate.

"What could be better? Anything goes and nobody sees you," says Gruhn. "I think people enjoy it because it's like a teen-age regression. When was the last time you thought of doing something like this?"

Watch the forum's News Flash for announcements of upcoming food fights, which are held in Conference Room 18, "Banquet Hall."

Wear old clothes.



## WORLD UPDATE

### Extended Characters Popping Up

CompuServe now has the capability to display extended characters, such as accents and umlauts, within key areas of the Information Service. New forum software allows support of the extended character set within CompuServe Mail and European-based forums, such as the European Forum (GO EURFORUM), and will be available in all forums this year.

This new capability allows members using French or German versions of the CompuServe Information Manager software to use extended characters online as well as offline (Note: DOS and Macintosh versions require some configuration, GO OQA). These CIM versions display German or French help and menus for the service and provide a user-friendly, windowed interface, pull-down menus and dialog boxes to help users get the most from online computing. To order CIM, GO ORDER, or contact your

local CompuServe Customer Service office.

Members who do not use CIM may also display the top three levels of menus of the service in French or German. For additional information on this and extended character support in forums and CompuServe Mail, including microcomputer software compatibility and configuration, GO OQA, or contact the CompuServe Customer Service office nearest you.

► The CompuServe network is now available to members in Vienna, Austria, and Milan, Italy. This brings the total number of European CompuServe nodes to 19 with more to be announced this year.

► Also, members now can access CompuServe via the London node at 14,400 bps. For phone numbers and log-on instructions, GO LOGON.



## Behind the Screens

with John Edwards



### Four Heroes with Everything

You hear a lot of talk these days about kids' role models (or lack thereof).

For reasons that escape me, the discussion always turns to athletes, actors, musicians and perpetrators of the latest public scandals. Hrumpf! That just shows you the limited minds of today's opinion drivers.

When I was a kid—the years 1954 through 1972—you would hardly know there was a role model crisis in the making. I'm proud to say that all of the role models I admired back then are still guys I think fondly of today. A kid could have done much worse than to look up to:

**Isaac Asimov**—Here was a man who could write about anything. Science fiction, science fact, limericks, jokes, biographies, histories, religious theses—you name it, "Dr. A" wrote it.

I got a particular kick out of Asimov's two-volume (!) autobiography. Any writer capable of carrying off a discussion of his kidney stones over several dozen pages, including the shape and size of the worst offenders, is a guy with honest-to-goodness talent.

**Herb Friedman**—While the name may not be familiar to you, Friedman's impact on me was tremendous.

Friedman was my favorite "project" writer back in the analog 1960s. His byline appeared in *Popular Electronics*, *Electronics Illustrated* and similar "buff books" of the era. His specialty was electronics projects that a kid could put together

out of components found in the spare parts bins of local electronics stores, TV repair shops and other hangouts of youths wearing pocket savers.

Friedman's clear, concise articles should be required reading for all technical writers. Even today, as I'm working on an article about client-server computing or graphical user interfaces, I ask myself how Friedman would have explained a particular concept.

**Wayne Green**—Many of you know Green as the guy who founded *Byte* magazine and later lost the publication to his ex-wife. But I was familiar with Green's work long before the first personal computer appeared on the market (and when he was still married to his ex-wife).

Back in the early 1960s, Green started an amateur radio publication called *73 Magazine* ("73" being the Morse code shorthand for "best wishes"—go figure). Back in my youth, as a budding ham/electronics nut, I looked forward to each issue of *73 Magazine* almost as much as each edition of *Playboy*.

Green pioneered the raving editorial, but it didn't matter if you agreed or disagreed with his views—the fun was in watching him vent his spleen. Green, incidentally, is still venting each month in *73*.

**Jean Shepherd**—In the 1960s, "Shep" wrote for both *73* and *Playboy*. He also had a nightly radio show on New York's WOR that I listened to religiously.

Without a doubt, Shepherd is the greatest storyteller that ever lived, and I remain in awe of his wit, ideas and seemingly effortless writing style. If you've seen the classic holiday film *A Christmas Story*, you've witnessed Shepherd's prodigious talents because the movie is based on several of his short stories (He also narrated the film). If I get to be half as good as Shepherd, I'll have the right to call myself a humorist.

So, there you go—my role models. And not an athlete, actor, musician or public scandal perpetrator among them.

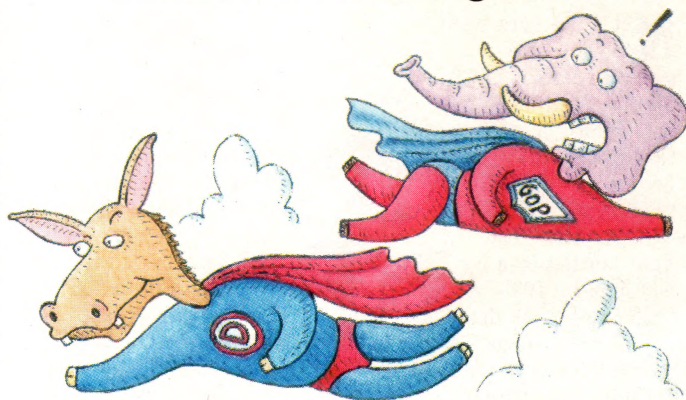
## Don't Take It Personally, Pardner

In old Hollywood westerns, the term "gringo" was always a vague put-down of the rock-jawed Americans in the cast —kind of like "tenderfoot" with an ethnic spin. But according to a recent thread in the Spanish/Portuguese section of the Foreign Language Education Forum (GO FLEFO), the term isn't necessarily an insult or even a description of an American.

For starters, the root of the word is the neutral *griego*, Spanish for "Greek" and, by extension, all foreigners. Other less provable theories hold that the term comes from the old Robert Burns verse about "Green grow the rushes, o! ..." or from a common graffiti message in south-of-the-border countries with an unwanted U.S. Army presence: "Greens Go Home," referring to uniform or beret color. In any case, an Argentine forum member noted that while in Mexico "gringo" specifically refers to a resident of the United States and possibly Canada, in his country, it's used to describe Argentina's many Italian settlers. In Guatemala, according to another forumite, it means "anyone with light skin and blonde hair," regardless of nationality.

Is it a slur? Usually not, was the consensus—it all depends on who's saying it and how.

## Pow! Bash! Comics Hit with Agendas



As comic books continue to target a more adult audience, many characters have switched from bouncing bullets off their chests and leaping tall buildings to grinding a political ax. Superheroes promote the new world order, while other characters tout the benefits of organic living or a gun-free society.

In the Comics and Animation Forum (GO COMICS), the growing consensus is that while the issues have changed over the decades, comics have always tackled political topics. "Political views are expressed in comics, sometimes blatantly, sometimes subtly," observes member John Arp. "But that has been a part of the medium from the beginning. From the Axis in the '40s and the Com-

munists in the '50s, politics have always had a significant role in comics."

So, too, have the villains, who motivate the heroes to oppose them. "That motivation can be drawn from anything, and political motivations are handy and topical," says member Sandy McMurray.

McMurray adds that modern times and new bad guys may make comics seem more political today than in the past. "As time marches on, it's harder and harder to take a Nazi villain seriously," says McMurray. "Fortunately, we now have neo-Nazis to fall back on as bad guys."

To add your opinion, visit the forum's Section 3, "Comic Books."

MANUEL KING



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# ALL THINGS

# CYBER

## CONTRIBUTORS:

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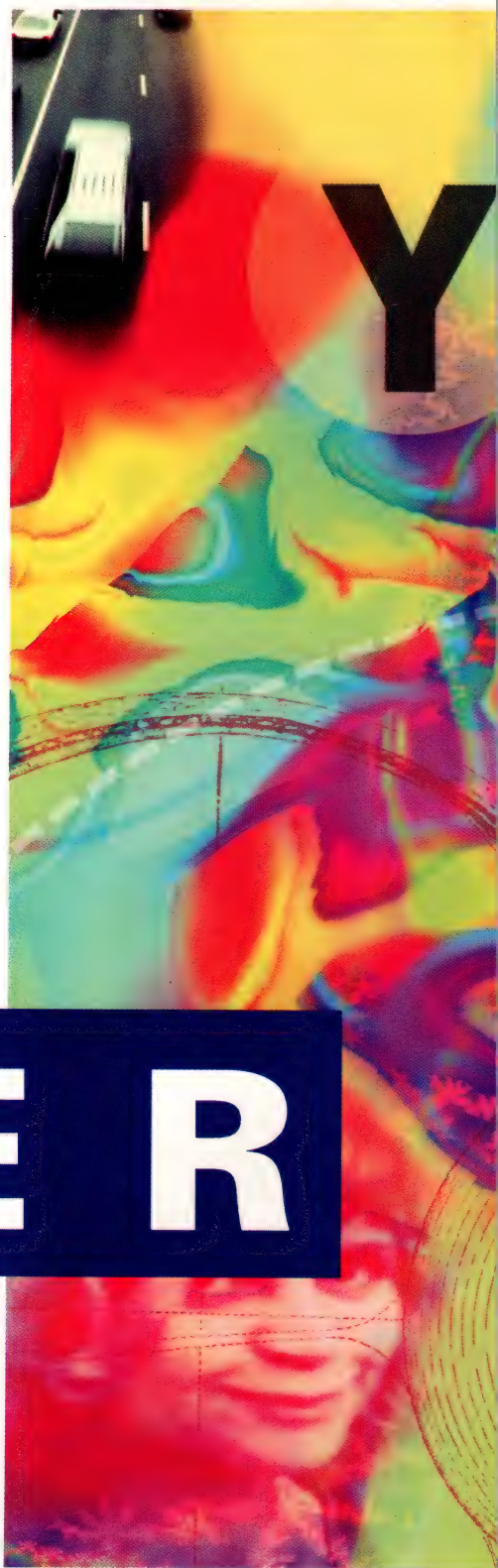
Dan Kening

Cary Roberts

More and more, *cyber* is becoming the prefix of the '90s. *Newsweek* called this vogue of vocabulary "cybertedium." And even science fiction author William Gibson, appearing briefly as himself in the 1993 television miniseries *Wild Palms* (which borrowed from the "cyber-

punk" near-future he popularized in *Neuromancer*), isn't too keen on the buzzword. In Los Angeles 2007, where a mass-produced virtual reality may launch a power-mad senator into political and spiritual omnipotence, Gibson is asked, "Didn't you coin the term 'cyberspace' back in the 1980s?" "Yes," he replies dryly, "and they're never going to let me forget it."

But should you think all things cyber are a bunch of hoey, hold on. If the term has come to signify a world of computer dominance and disembodied experience or the hacker urge to decimate the information society, it also signifies a new culture of connectedness and the slow merge of man







COVER AND FEATURE ILLUSTRATIONS BY JACEK DEPCZYK

## Cyberjargon

It is a colorful language, that of hackers: Try using "ack" ("I get it, you can shut up now"), "asbestos underwear" (what you put on before posting a flame-inducing message) or "angry fruit salad" (a bad visual interface overloaded with color) in a sentence.

Those are just some of the A-list entries indexed in what's known on the Internet and in programming circles as *The Jargon File*, (available in the Windows Fun and Macintosh Community Clubhouse forums, see "Cyberdownloads," p.20). Begun in the mid-1970s as a chronicle of terms in use within the artificial intelligence communities at several universities, the file has expanded over the years to include words and phrases from IBM, Mac, Amiga and mainframe enthusiasts and other aspects of cyberculture. More than a fun rundown of terms that enjoyed virtually instant popularity once nudged into online discussion, it has come to be recognized as a tour of true-hacker folklore and tradition.

"It confirms to me that the terms aren't just jargon, but actual living tongue—the words age, undergo permutations and acquire new senses," says Annapolis, Maryland, resident Christopher S. H. Little, marketing vice president of a company that integrates hospital computers. "It's also fun because it's an insider's vocabulary, only those who would need to use it would actually use it."

Much of the jargon tends to be born of conflict with hackers' nemeses, for example, "manglers" (managers) or "marketroids" (advertising execs who promise features that defy physics). But most seem to be amusing wordplay, giving character to processes that possess none: Burlington, Massachusetts, resident Doug Ross' development team discovered in documentation for their Borland compiler that one sound command would create frequencies proven to kill nearby poultry. "Our compiling process was thusly named 'the Exploding Chicken-Head Build,'" says Ross.

and machine toward, many hope, a new enlightenment. This PC-driven transcendence takes a baby step closer to realization every day on CompuServe in the discussions between everyone from artists to educators to virtual-reality home brewers, all *cybernauts* taking experimental test flights. As a means of both honoring these future-thinkers and doers, as well as chucking *cybereverything* into the desktop trash can of cliché, we present this guide to some of the concepts, products and personal expressions of cyberculture—terms either previously visited, such as cybersex and cyberlaw, or shamelessly concocted for the heck of it.



# Cyberspace

It's that nowhere space in the telephone line between you and where all things online happen, but it's also the "room" or other expanse you're not really in when you're visiting any form of virtual reality.

Which is a fancy way of saying you get to walk around inside or fly through a nifty artificial landscape that looks real enough and, more and more, is producible on some speedier desktop PCs. Indeed, VR tinkerers are spread across several sections of the Cyber Forum (GO CYBERFORUM), intent on furthering the new technology by discussing home-brew projects you can and cannot do.

One such project that Cyber Forum Section Leader Jerry Isdale, forum member John Gwinner and others are beginning to cultivate is a VR interface to CompuServe, cleverly titled VISCIS. The idea is simple—make electronic conferencing and shopping more like going to a real meeting or mall. Using such devices as head-mounted displays and gloves that give you the necessary 3-D visual and tactile feedback that any VR implementation must have to "feel" right, you might virtually shake hands with your forum friends or "enter" an Electronic Mall store. "How these models are developed and implemented has the potential to empower, or disenfranchise, a whole new generation of CompuServe users," says Gwinner.

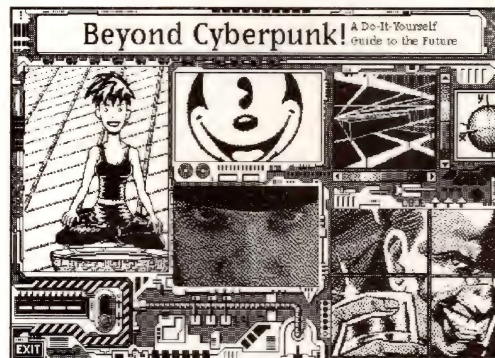
In fact, much of what today's cyberspace cadets are trying to get around are the limitations imposed by helmet-oriented systems on displaying virtual realities. Some experimenters attempt to make their own: Even old VR pros, such as Luc Bodson of Cyber Optics in Belgium, want "information, schematics and plans on how to make my own glove," because they are not satisfied with the price or performance of commercial units. Many home-brew VRers, such as member Burt Schneider, can't afford a commercial HMD like Sega's and want to build their own 3-D glasses.

Other experienced and novice VR programmers are working with such freeware tools as Rend386 (browse Cyber Forum Library 4, "VR Workgroup," with the keyword REND386), as well as commercial VR suites such as AutoDesk's CDK and the seminal Virtual Reality Studio to create all sorts of VR projects, scenarios and events. Isdale, however, thinks that such projects will start moving closer to mainstream application only if they begin to contemplate entire VR rooms with full user feedback, rather than tethering users to clunky equipment. He calls such rooms caves, where you can install "three or more large projection video displays. This is less encumbering and allows several people to experience the virtual world together without severely impacting the cost of the system."

# Cyberpunk

The word that started all the cyber-enthusiasm began as a subgenre of science fiction popular in the late '80s that included the novels of such writers as William Gibson and Bruce Sterling. "Cyberpunk" represented the implosion of the future onto the present and total intrusion of technology into human lives. Here giant corporations wield more power than governments; anarchistic hackers thwart them on the new frontier of global networks, spouting such technocreds as "Information wants to be free"; the human body goes cyborg, augmented by chemicals, bionic prosthetics and neural implants; and the computer culture, with its self-made music, art and communities, is just one of millions in a fragmenting social structure.

Then in 1991, headline writers appropri-



Viral ideas: Beyond Cyberpunk! (above, right)

ated the word in describing young hackers busted by the U.S. government. Since then, "cyberpunk" has seemed to pop up everywhere in reference to the rapidly expanding

swirl of technology, ideas, media and art that make up the burgeoning computer culture.

Literary purists insist that their subgenre is dead and that the cyberhoopla is now all marketing hype.

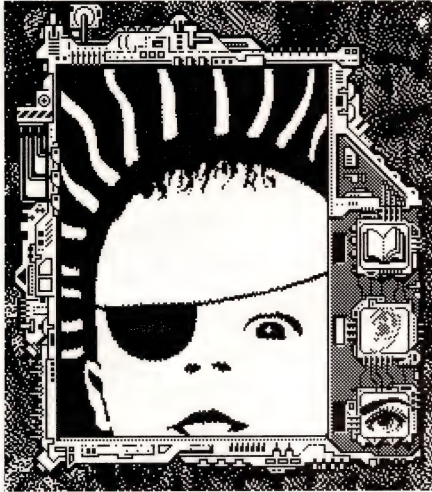
"We've probably seen the best cyberpunk

## FEATURE





in the sense that we've seen the best of the New Wave music of the late '70s," says Science Fiction Forum member and Brit Tony Brown. The concepts, he says, have been absorbed and can be found in most of the new fiction today, and the prominent authors have gone other directions. "The authors themselves seem to have been trying to pronounce cyberpunk dead for a couple of years now, though without much success."



One of the reasons William Gibson and company may be having trouble killing their own creation is CompuServe member Gareth Branwyn, whose Macintosh HyperCard stack *Beyond Cyberpunk!*, BCP! for short (see "Cyberdownloads," p.20), tracks the subculture, with no apologies for incorporating the term.

"Cyberpunk has lost its meaning," he says. "But at the same time, there has been this fascinating transference of a lot of its ideas into the cyberspace arena, and so it's still a convenient buzzword that people at least think they understand." Branwyn incorporated that paradox into the stack's title, which suggests an ongoing relevancy. "It also describes what's going on in the stack, which starts with cyberpunk proper, the fiction, and branches out into everything else."

And what an all-inclusive everything else it is: The hyperlinked text, sound and graphics cover the bases of mainstream and fringe cyberness, from "manifestos" of ideology by the bigger cyberpunk authors; to stories of weird religions, radical politics, hacker conventions, graphic novels, and Japanese *anime*; to glossary entries and reviews of every concept, person, organization, book, movie, catalog, 'zine and software that can be

squeezed under the cyberpunk rubric.

An admitted information junkie, Branwyn still understands why the accelerating, mutating cybercultural montage that BCP! chronicles may be too much for some people. "We're definitely in a situation where there's an incredible liquidity of ideas. Something like morphing isn't just a cool technology; it's symbolic," he says. The mainstream media morphs imperceptibly, he points out, between fantasy and reality, while the pacing and impermanence of our own online medium can leave you wondering what just happened, if indeed anything did at all.

"We live in a world where it feels like so much is up for grabs idealistically that ideas can rise and fall in a matter of weeks or days," says Branwyn. But cyberpunk and all it encompasses will not be a self-destructing manifesto (a.k.a. a "fad"). "It has vital issues and ideas that should occupy the physical and cultural landscape into the 21st century." Those issues include the virtualization of the human body, virtual relationships and community, and all the intellectual and cultural property issues. "People will realize that early private-citizen hackers who got into cyberspace before anyone else were some of the pioneers," Branwyn says.

## Cybersearch

Much has been made of information from online databases helping to unite geographically dispersed people long separated; most of these amateur investigators hope that blind luck, Phone\*File and the helpfulness of others online will bring breaks in their cases. CompuServe member John Ratcliff, on the other hand, didn't want to wait for the right person to pluck his message in a bottle from the sea of online ASCII. Instead, he created what may be the world's first global multimedia wanted poster.

Ratcliff, a top game programmer for Electronic Arts whose credits include the submarine-hunt scenarios of *688 Attack Sub* and *Seawolf*, is also co-creator of *Multimedia Kaleidosonics* (Masque Publishing), a unique piece of DOS CD-ROM "interactive art and relaxation" software. The program borrows texture-mapping and other high-speed graphics routines from Ratcliff's games and combines them with bitmaps of spectacular scenery and the swirling New Age and jazz fusion music of interactive media composer Rob Wallace.

In 1992, while he was uploading freeware versions of the program to CompuServe forums (see "Cyberdownloads," p.20), the

Multimedia quest for a friend: Myriam Kaleidoscope demo (see "Cyberdownloads" sidebar)



Internet and numerous international BBSes, Ratcliff found an old photograph buried in a stack of papers. It was a shot of Myriam, his best friend from his college days at the University of Missouri Rolla. Ratcliff's phone-maintained friendship with her had been such a sore point with his jealous bride that he was forced to stop calling Myriam in 1986. "That without ever offering a decent explanation to her," he says.

Encouraged by a more understanding second wife and wanting to put the overhyped "information superhighway" to a test, Ratcliff had a brainstorm: scan Myriam's image into the program (then called *Kaleidoscope*) as a bitmapped background, strip it down from its 800K size and let it go online, complete with a help file describing Myriam's last known whereabouts in the U.S. Pacific Northwest. "I figured since she had a computer science degree, casting a net out to all these computer-oriented people might bring a reply from someone who'd had her as a teacher," he says.

What he didn't figure on was that the

\$500 reward he was offering would bring out the worst in people, some of whom began harassing everyone in their local phone book having Myriam's maiden name. "It was a neat little experiment, but it didn't work," says Ratcliff, who began pulling the Myriam demo from online libraries upon learning of the public nuisances.

But as the Myriam demo made its way to the Internet and around the world, the experiment is far from over. Whether a clue spills in from the Net or Myriam eventually tries to initiate contact herself ("I'm in the phone book," Ratcliff jokes), he still hopes to have the chance to say he's sorry. "I want to know how she's doing—does she have kids, does she have her health—just basically if she's OK. Seeing the level of activity online of people trying to find other people, I think that's a desire many of us have."

JOHN RATCLIFF



# Cybermags

Looking for a different view on today's issues? Maybe you would enjoy reading a magazine that focuses on William Desmond Taylor, a top Hollywood director who was shot to death under mysterious circumstances in 1922. Or perhaps you would like to peruse a journal containing the thoughts of an "anti-imperialist/autonomist collective." If so, welcome to the world of "zines."

A 'zine (an abbreviation of magazine) is an electronic publication that deals with an obscure or controversial subject. Such publications usually feature the ramblings of a single individual or a small group of iconoclasts. You can find 'zines in the libraries of many CompuServe forums, as well as on the Internet.

George Smith, who publishes the *Crypt Newsletter*, says his 'zine intersperses hard news, techno-political comment and satire. "I wanted to see more hard science reporting on some under-covered computer areas and I couldn't find anything that delivered, so I started *Crypt*." You can read the fruits of his labor in the Journalism Forum's (GO JFORUM) Library 12, "Future Media." A recent issue looked at "electronic sweatshops," hacker tools and computer-assisted journalism, among other cutting-edge subjects.

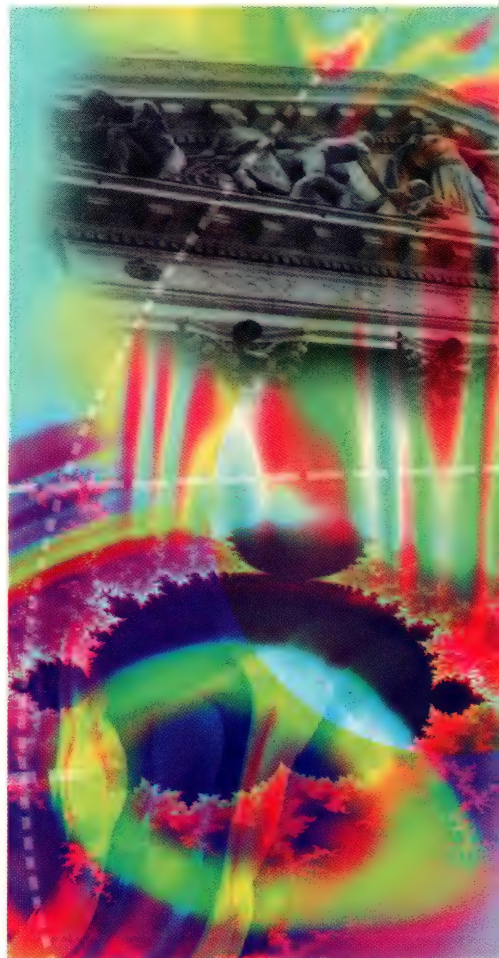
Rich Grossman, who publishes *Coder-*

*Zine*, is a free-lance programmer who moonlights as a comedy writer and stand-up comic. "I decided to combine all these interests in *CoderZine* because there's not much humor in the computer press," he says. You can find issues of *CoderZine* in the Cyber Forum's (GO CYBERFORUM) Library 10, "Literature." A recent issue included attacks on a couple of well-known computer publications, a variety of cybergags and a sprinkling of help-wanted ads.

For a change of pace, check out *Scream Baby*, a 'zine that editor "Blade X" claims is dedicated to "music, literature, art, television, film, weird space-time kinks, events, information, news, humor, interviews and reviews of stuff I think is cool."

Blade X has only a few modest goals for his publication: "Besides world peace, a sexy Mexican maid and someone to use his (bad word) brains around here, I want a really good all-encompassing-subculture 'zine. Not all at once, of course." For more details, if you dare, contact Blade X via the Internet at [bladex@wixer.bga.com](mailto:bladex@wixer.bga.com).

Incidentally, there's even a 'zine about 'zines. *Factsheet Five*, which surveys the 'zine scene, is available on the Internet. Contact [jerod23@well.sf.ca.us](mailto:jerod23@well.sf.ca.us) on the Internet or write *Factsheet Five*, Jerod Pore, 1800 Market St., San Francisco, CA 94102, for details.



## Cybertunes

The global sound of the future is here, and for the uninitiated, it may sound like overamplified modem squawks and line noise. But electronic dance music, a.k.a. Techno, Acid House, Trance, Neo-Alt-Trashadelic, ProtoIndustrialTechno and other hairsplitting subgenres, is the only background music that matters at "raves," the all-night underground parties of choice for the cyberinclined.

Characterized by a heavy, mechanical beat, lots of electronic noises and a harsh, almost industrial feel, the "music" is created using speech and sound effect samples and

often vibrates at 120 to 140 beats per minute, sometimes up to 200. It's also largely the result of the union of computers with software, samplers, sequencers, drum machines or keyboards, and Musical Instrument Digital Interface technology.

"This is the Punk music of the '90s," says Jared Hoffman of the "post-Techno" record label Instinct Records, referring to the largely D.I.Y. (do-it-yourself) ethic associated with punk and other radical forms of music. Hoffman is also the unofficial leader of Section 10, "RaveNet," in the RockNet Forum (GO ROCKNET). "For a generation raised on video games, computers and technology, samplers and keyboards are the modern D.I.Y. instruments. These new frontiers have become the outlets for creative energy," he says.

Paul Sebastien uses computer technology

not only to fabricate his music but also to keep in touch with fans. Sebastien's group, Psykosenik, received feedback on their first single and dance-club hit, "Silicon Jesus," on RaveNet. "We were getting seven to 10 messages a day about which mixes were people's favorites," he says. The other members of Psykosenik—Daniel Lenz, Michael Miner and a keyboardist known only as Theopolis—also are CompuServe members. "We sometimes work on lyrics via CompuServe Mail," says Sebastien.

In addition to developing key contacts among record company reps, distributors and European DJs online, Sebastien also offers advice to other musicians. And in a nod to cyberspace's influence, both Hoffman's Instinct label and Psykosenik include their CompuServe User ID numbers on all compact discs they issue.

### FEATURE





## Cyberart

If the word "artist" still brings to mind the traditional image of a painter laboring over a canvas in a third-floor garret or a sculptor chiseling a block of marble in a converted garage, you're a bit out of touch. A new breed of "cyberartists" is integrating computers into their work, using mice, scanners and special software to create new forms of expression.

Jean Ravinski is a Kingston, Massachusetts-based studio artist trained in the traditional methods of painting and sculpting. Five years ago, she began to dabble with simple painting programs on her husband's Macintosh. "Before I knew it, I was hooked on creating illustrations with HyperCard," she says.

In time, the cyberartist inside began to take over, and Ravinski graduated to more complex painting programs and discovered CompuServe. She now regularly displays GIF files of her work in the Computer Art Forum (GO COMART) and shares ideas about digital artwork. (Various forums, including the Computer Art, Multimedia, Cyber and Graphics Development forums, contain examples of cyberart; GO GRAPHICS for a list.)

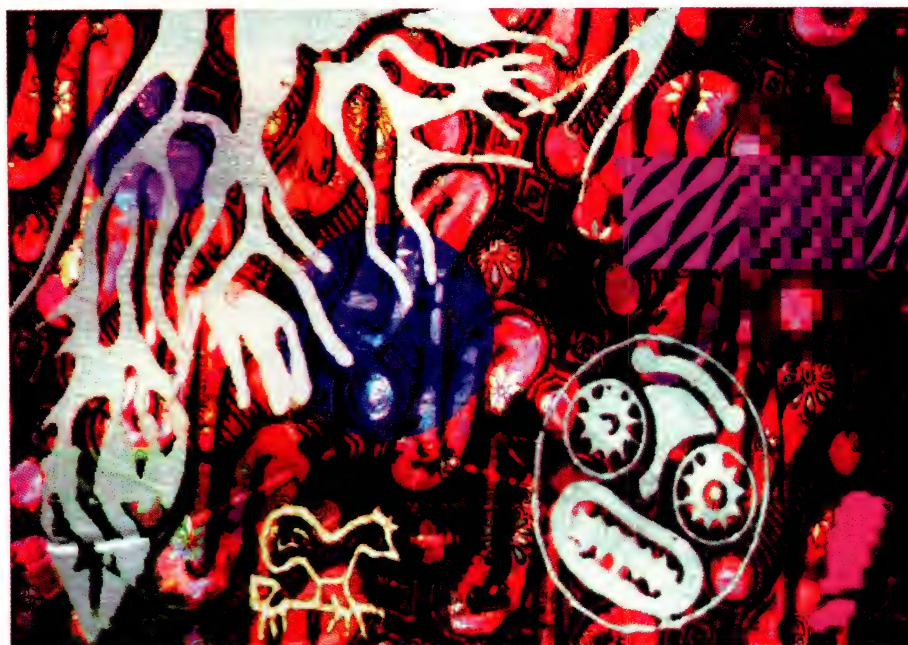
A different type of artist is Robert Kendall—a New Jersey-based "video poet"

whose "It All Comes Down to ..." is available for downloading in the Cyber Forum (GO CYBERFORUM; see "Cyberdownloads," p. 20). "The computer has opened up new horizons for me and has fundamentally altered my work," says Kendall. "I now work primarily in a new genre I call 'SoftPoetry,' which melds literature, visual art, video and music on the computer. I present the works primarily as interactive multimedia installations by setting up a PC at a public location and letting people interact with it." Kendall's work has been exhibited in art galleries, science museums, poetry festivals and bookstores.

One cyberartist, however, warns that there are limits to what computers can do. "Some in the artists' community have hailed the computer as the 'miracle box' that will eliminate the need for conventional methods," says Pat Lichty, an Ohio artist who uses such programs as PhotoStyler, CorelDraw, Gallery Effects and FD Painter to mix original painted images with manipulated scanned images, some of which can be found in the Computer Art Forum. "This is the furthest from the truth. The computer is just another medium in which artists will continue to expand their creativity."

## Cybercelebrity

Cybercelebrity is the 15 megabytes of fame that we're all entitled to in our lifetimes. The electronic equivalent of the Schwab's Drugstore stool is the forum, where fleet-fingered folks literally can become sensations overnight (as long as the scroll rate holds). It's just as in the offline world, where some people achieve their status through wit, talent and intelligence. Other cyberstars merely understand that notoriety is guaranteed to those who visit a forum as a Bic lighter impersonator.



Patrick Lichty's mix of Balinese batik and industrial influences: '(re) (con) structural anxiety I'

PATRICK LICHTY



# Cybersex

"Cybersex" is numero uno on the Most Popular Cyberidioms list, if judging only by the hyperbolic press coverage that has tended to accompany its use in headlines.

Unless you've been stuck in a cave, you'd be hard-pressed to have missed this parade: "adult-oriented" games and CD-ROMs; steamy online "chats"; people discussing their sex lives and wanton desires with strangers in online forums, even falling in love without having met; and accessing of online databanks for advice on "mainstream" and "alternative" sex concerns. All supposedly leading to the conclusion that these are people who don't get out enough. Right?

Wrong. "The world of cybersex correlates to the real world—the same ratio of good people and jerks, the same chances for any relationship to thrive or fail," says Janis O., who cybercommutes from Australia to lead a Dear-Abbyish message section and conferences on family crisis, single parenting and submissive sexual personas in the Human Sexuality forums (GO HSX). And what do members *really* want? "Many who come into the forum are looking for support, companionship, sensitivity and human contact," she says.

Weighing on many newcomers' minds, however, is the sense that no one else has the feelings they do, or that no one they know is approachable for guidance; angst that is usually assuaged upon finding an online peer group. "I'm a professional person, and all my friends and colleagues accept me as such," says Janis. "But there is *nobody* in my offline life that I would feel comfortable exploring sexual submission issues with. Being able to discuss it online with trusted friends lets me refine my ideas and express my fears."

All the online sex talk isn't just healthy, it's revolutionary, according to Dr. David E. Nutter, chairman of Psychiatry at St. Joseph's Hospital in Lancaster, Pennsylvania, and one of the experts who answers questions in the Human Sexuality Question and Answer Databank. "You can govern your rate of self-disclosure, and you can build up relationships in a mature way." For example, he says, the mind-to-mind connection helps the socially phobic who've been rejected because of their appearances learn how to initiate contact again.

And libidinous keyboard-pounding is a great way to become tuned to your own sexuality and fantasies, a quite normal pursuit. "It offers a window into your own mind and is a boon to self-exploration," says Nutter. "You become better able to express sexual aspects of yourself."



Live-action showdown at the PC Corral: *Mad Dog McCree*

not word processing or databases. They note that their machines have been designed from the ground up to put eye-catching, easy-to-use software on the screen.

Multimedia Forum (GO MULTIMEDIA) member John Byrne claims that *Voyeur*, an adult-oriented murder-mystery game in the CD-i format, is typical of the new breed of

cybergames. "This game really shows the power of the CD-i experience," he notes. "The digitized sequences outclass QuickTime on a \$5,000 Macintosh Quadra." Byrne discusses cybergames with fellow members in the forum's Section 17, "CD-i."

Mark Samson, a Multimedia Forum member who works at Philips Research Labs in the United Kingdom, likes *International Tennis Game*. "The mathematical calculations alone for this made a 250-page technical document," he notes. Samson also is looking forward to playing *Mad Dog McCree*, one of the new CD-i games that mix computer graphics and live-action video.

Richard Lafferty, a regular in the Gamers' Forum's (GO GAMERS) Section 6, "Multimedia," cautions budding cybergame enthusiasts to shop carefully, since snazzy cover art and copy can easily mislead the unwary buyer. "I would suggest trying the titles out at a store that will demo them for you and then to buy from a major chain that allows returns," he says.

accompany genius," jokes UNIX Forum member Bryan Patrick.

Or consider that the programming of a great many softwares probably occurred in a Zenlike concentration during the wee a.m. hours, says J.D. Hildebrand, editor of *Windows Tech Journal*. The state is often referred to among developers as "vampire mode" or being "in flow," and managers at big companies such as Microsoft have been known to go to great lengths to ensure full, free caffeine access to keep the flow flowing all night.

As for the rest of us who keep hot and cold versions of the Pause That Resuscitates perilously close to our input devices, it might have to do with the fact that "with a job as potentially boring as sitting in front of a screen all day hammering keys, any stimulant is welcome," says United Kingdom resident John Bilyj. And Mensa Forum member David Melder considers the historical significance: "No great civilization has ever arisen which did *not* have a drink based on caffeine."

# Cybergames

CD-i (Compact Disc-Interactive) and similar technologies are bringing the lowly video game to a new level of sophistication.

Co-developed by Sony and Philips, CD-i is slugging it out in the multimedia marketplace against the various strains of CD-ROM, the compact disc format used by personal computers. Also in the fray are new CD-based interactive systems from such companies as 3DO and Sega. CD-i discs are designed to run on Philips' Imagination Machine CD-i Player, while 3DO software will run on the Panasonic REAL game machine and Sega CD on Sega interactive consoles.

Fans of these new multimedia CD formats claim that, unlike computers, their systems are dedicated to fun and education,

# Cyberstimulant

Coffee, anyone? Forget the mind enhancements of supposed "smart" drugs. Caffeine and computer culture are indelibly intertwined. Note that awards at a prominent developers conference are cans of the hyper-caffeinated Jolt Cola encased in lucite, or that "electronic" cafés combining cappuccino-sipping with timed online access have sprung up in San Francisco and other cyber-hip burghs, or that fuzzy logic chips now allow brewing machines to work their magic in the full range from strong to weak.

How'd java and company become connected to computing? "Caffeine is not only legal, it's mild enough as to not overly exaggerate the slightly neurotic tendencies that

## FEATURE



# Cyberbrain

If you're a *Star Trek* fan, you know about "The Borg"—a collective of alien humanoids that use implanted technology to augment their senses, wreak universal mayhem and boost their Nielsen share.

One wouldn't want to accuse the New Age Forum (GO NEWAGE) of being an online Borg outpost, but many of its members happen to be keenly interested in cyberbrain stuff—technologies that can be worn,

strapped on or carried in an effort to improve the user's mind or consciousness or to affect various forms of matter.

The place to go for the lowdown on the latest mind-augmentation technology is the forum's Library 8, "New Age Sciences," which includes files on the Neurophone (an electronic telepathy machine), tuning forks that can disintegrate matter, dream goggles (for inducing lucid dreams), the Aurascope (for viewing human auras) and a wide range of other cyberbrain products.

Alain Beaulieu, a forum sysop, has investigated the "Ott light," a "full spectrum" light designed to protect users from the harmful

effects of video displays. "Light enters your eyes and stimulates your hypothalamus, pineal gland and pituitary gland," claims Beaulieu. "Light that approximates the sun's full spectrum keeps your glands stimulated and healthy. If not full spectrum, light can make you sick."

Are these things for real? David Thomson, another of the forum's sysops, believes many are. He adds, "There are experiments going on to determine if the mind can influence microcircuitry." So you better browse the library now, before someone mentally commands your computer not to.



# Cyberego

You project a "cyberego" in the messages you post online, be it droll, outgoing, fair-minded, cynical, flirtatious or cranky. The 64-megabyte question, of course, is whether this electronic persona is your "real" self ... or simply a function of wishful thinking coupled with decent high school English skills.

According to Sacramento psychologist and CompuServe member David Kemp, the very concept of the "real" self "is one of our most cherished illusions. In fact, we are collections of multiple selves, and what we see as our 'real self' is usually the self we most enjoy and approve of."

The cyberego may be a favorite part of ourselves, he adds, but it doesn't pass two important tests of the daily ego: spontaneity in dealings with others—especially for people who carefully craft their messages offline—and consistency—since the online self has "the capacity to vanish at a moment's notice, no questions asked." (All of this can lead to cyberscams, such as the famous cartoon of two hounds crouched in front of a computer; one says to the other, "... And the great thing about being online is that no one knows you're a dog.")



# Cyberschools

Experts forecast that by the year 2010, the world's knowledge base will double every 70 days. Online technology will be the only way to keep up. It will be up to "cyberschools" to help teachers and students handle the knowledge explosion.

The Internet is a cyberschool for many high school and college students worldwide. Students use this massive system to master online research techniques and communicate with others around the globe.

Even high school assignments are going cyber. A report on *Great Expectations*, for example, becomes a small group multimedia project that explores the social community of Dickens' times, perhaps using compact discs of microfiche databases for research and discussions of the classic novel with students in England through an electronic field trip.

Teachers can do cyberplanning, meeting in the Education Forum (GO EDFORUM) to share lesson ideas, exchange success stories and get help with new projects. "The technology is providing a synergy that has not been

in education. It is changing the very infrastructure of our schools," says Kurt Harper, the educational technologist for the Snowline Joint Unified School District in Phelan, California.

Just as cyberschools are not restricted by space, cyberlearning is not restricted by time. "The learning day will expand to anytime the technology is available—at home, the mall, the bus stop, the dentist's office or any place you can imagine," says Eric J. Willard, customer care director for Edunetics in Plano, Texas.

The New School for Social Research and the University of Phoenix are two of the colleges offering online advanced degree programs. Teachers and students are connected only by their modems and typed words.

The roadblocks for cyberschools are the same as those found in traditional classrooms: lack of money and a

lack of knowledgeable people willing to take risks. But as long as school systems and colleges make cyberclassrooms a priority, it will happen. "It's no longer so expensive that you can't afford it, and it's no longer so inaccessible that you can't get to it," says Harper. "It's going to be done by the kids whether the teachers and administrators want it or not."

## FEATURE

# Cyberphobia

The fear (or conviction, depending on one's point of view) that an average person couldn't possibly program a VCR—or perhaps get the hang of logging on—without years of training from NASA can be labeled "cyberphobia." According to a Dell Computer Corp. survey, more than half of all Americans are still ill at ease with everyday technology. But 92 percent of teen-agers are gadget-friendly, which means that cyberphobics really are making history: Adolescents always have claimed to know more than their parents, but for the first time, they're right.

# Cybertowns

At the beginning of the new millenium, the U.S. military has a brainstorm: Most of their confrontations are police actions in ur-

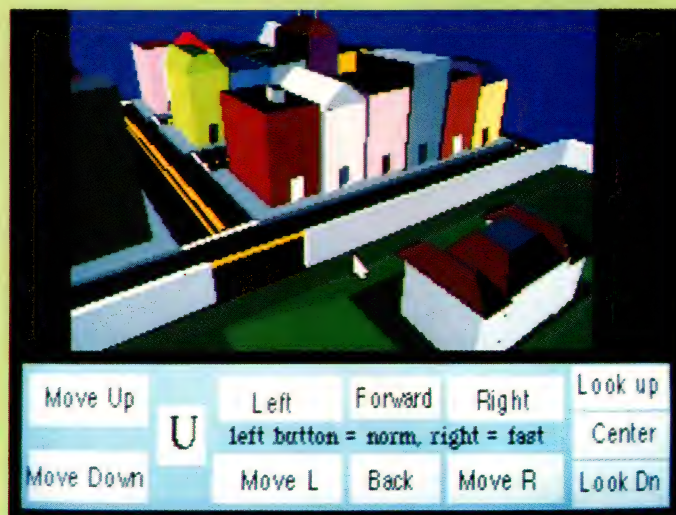
ban zones. Being longtime users of simulation tech and wanting to have troops trained and ready, they approve a project to map key hot-spot cities around the world into virtual reality models. Eventually the president and Congress realize the value of doing the same for all U.S. metropolitan areas, and "virtual

cities" become a focal point for entertainment and danger.

So begins the scenario for the Cyber Forum's Virtual Cities project, invented by conceptual artist and illustrator Karen Weatherbee, that encourages forum members to extrapolate today's sociopolitical realities into a future vision of real and simulated population centers. To date, the designs include GIF scenes, several text-based short stories (such as Pat Lichty's engrossing "Substructures") and a PC-based representation of a virtual city created by Doug Saxon. Other owners of the program Saxon used—Virtual Reality Studio—are even implored to add VR real estate to the city.

Weatherbee's original conception of the project was more oriented toward the visual arts but quickly turned to a kind of chain-reaction art allowing any media, where one illustrated work inspires another written work and so on. The cyberpunk near-future theme is meant only as a "loose connector" between different members' contributions. "I wanted to have something that wasn't too limiting, so people would have some leeway to open the idea up. You need that because so much of art is accidental and serendipitous."

Is it live or is it virtual Los Angeles?: Doug Saxon's expandable VR city (see 'Cyberdownloads' sidebar, p. 20)





# Cyberlaw

Cyberspace may not be something you can touch or see, but this land of virtual reality is inhabited by real people who need more than basic rules of etiquette to govern behavior. Cyberlaw encompasses the regulations that govern cyberspace, and it's such a cutting-edge field that a search of the legal database Westlaw brings up no federal cases using the term.

That's bound to change soon. California attorney and CompuServe member Anita Susan Brenner says, "The debate over privacy, encryption and free speech will seem less academic by the year 2000." And it's already fertile ground for legislation. The Electronic Communications Privacy Act and a number of state laws treat unlawful access to stored electronic communications as a crime.

Other hot cyberlaw issues include the level of First Amendment rights online services and their subscribers are entitled to, the legal exposure and liability of sysops, and the debate over who owns the rights to online materials. "Some legal scholars believe that existing concepts of privacy, intellectual property and free speech are inadequate to solve the thorny post-modern issues of hacking, encryption and cyber-Casanovas," says Brenner. Some believe the new technology merits unique laws, much like television broadcasting is governed by its own set of rules. In fact, a recent Legal Forum discussion focused on the need for a cyberspace constitution.

Boston attorney Lance Rose, author of *SysLaw: A Legal Guide for Online Services* (PC Information Group, 1992), suggests good cybercitizens become familiar with online services' usage agreements and obey them. He also advises recognizing the authority of forum sysops and learning online etiquette. "Observe how others behave online, especially if you are a new user. Learn the cultural norms of cyberspace—or 'netiquette'—which vary from one area to another."

Discussions of cyberlaw take place in the Legal (GO LAWSIG), Electronic Frontier Foundation (GO EFFSIG) and Telecommunications (GO TELECOM) forums and on the Internet's Cyberlaw listserver.



## Cybervisionary

If you've picked up a newsweekly or computer magazine since the great Digital Convergence began (in which your PC becomes your TV, which becomes your phone, which becomes your VCR—we're hoping it all stops at the garbage disposal), you've seen his name, and you've probably seen the future beside it. Paul Saffo makes his living as a techno-soothsayer, writing columns or serving as a source for publications ranging from *MacWEEK* to *Newsweek*. But as director of the Menlo Park, California-based Institute for the Future, a 25-year-old management consulting firm that provides long-range planning in the areas of emerging information technologies, he and fellow Institute associates don't predict the future; they forecast it.

"Predicting assumes there's a deterministic universe," he says. "Forecasting assumes a higher level of uncertainty.

There's a cone of uncertainty that extends outward from any given set of present-tense events. The job of forecasters is to map the size and shape of that cone and the elements that lie within it."

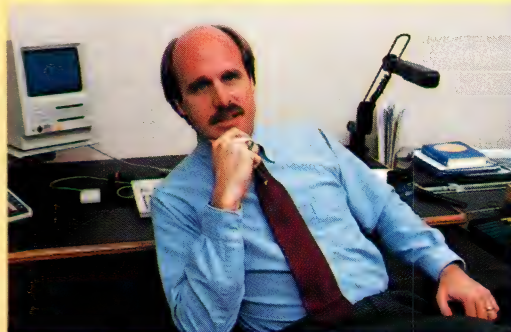
Saffo believes new cyberish tech-

nologies such as multimedia and virtual reality are entering popular consciousness in much the same way as past technologies. "We tend to invest our fondest hopes and our deepest fears in whatever newest technology has come along but isn't quite real yet," he says.

Saffo uses the term "air minded" to describe this human tendency, a phrase coined after the Wright Brothers landed under the shade of Killdevil Hill in Kitty Hawk, North Carolina. "It was a code phrase for the notion that somehow flying up high above things would give you a larger perspective, which would make people more peaceful and loving and cause national borders to come down," he says, noting that the same phenomenon occurred with the early U.S. space program. "That vision of the Earth as the big blue marble hanging in space was going to foster human understanding, but it was later eliminated by the prospect of Star Wars."

However, Saffo acknowledges that in the long run, the impact of the emerging electronic frontier probably will be greater than

we can imagine. "It is going to be the solvent that leaches the glue out of a very large number of our traditional business and social structures," he says. Yet, "life will go on, and in the short run, it is all hype."



We invest hope, fears in technology: Saffo



# Cyberdownloads: Futuristic Files from All Over

CompuServers are nothing if not forward-looking, judging by how they push the edge of thought and technology in the things they upload. Here's a grab bag of forum files that are either related to our cyberdictionary entries, have CYBER-something amongst their library keywords, or just struck us as kind of, well, cool. Enjoy.

## CYBER FORUM (GO CYBERFORUM)

**What Is VR?**—Jerry Isdale's complete treatise defining virtual reality and sources for more information and products. Library 3, WHATVR.ZIP (46,955 bytes).

**Nowheresville**—A PC VR imitation of the universe of M.C. Escher, the artist whose drawings depicted such optical illusions as perpetually climbing stairs. Library 3, ESCHER.ZIP (112,870 bytes).

**Mac VR**—Two demos of Virtus Walkthrough, each letting you explore several VR universes, such as a fishing cabin and a poolside cabana. Library 4, "VR Workgroup," VIRWT1.SEA (158,848 bytes) and VIRWT2.SEA (189,568 bytes).

**Myriam Kaleidosonics**—The version of John Ratcliff's spellbinding multimedia "interactive art and relaxation" IBM/PC software that included an image of his missing college friend. Texture mapping, image warping and fractal image incursion, all controlled by you. Library 7, "Entertainment/Games," MYRIAM.ZIP (349,514 bytes). Ratcliff's final full freeware Kaleidosonics release is in Library 3 as KSONIC.ZIP (698,264 bytes).

**City Kit**—A look at the Virtual Cities online effort, with the project's fictional scenario, contributors' guides, a story titled "Substructures," and a PC VR implementation of the city. Library 8, "Art/Film/Video," VIR.CIT (3,608 bytes), CITY.GUI (1,984 bytes), SUBST.TXT (6,271 bytes) and CITY.ZIP (114,154 bytes).

**Electronic Canvas**—Two works of cyberart by Patrick Lichty, "(re)(con)structural anxiety I" and "Welcome to Cyberspace." Library 8, ANXIET.GIF (157,696 bytes) and CYBER1.GIF (164,224 bytes).

**Interactive Poem**—"It All Comes Down to ..." employs graphics, animation and interactive elements to bring Robert Kendall's poetry to life. Library 10, "Literature," SOFTPO.ZIP (219,696 bytes).

**Crypt Newsletter**—Sample issues of the monthly electronic 'zine dealing with the computer underground, science and technology issues, and computers in U.S. society. Library 10, CRPT19.TXT (53,813 bytes) and CRPT18.TXT (48,669 bytes).

**Northwest CyberArtist**—Sample 1993 issues of this electronic journal from Seattle, written by Steve Turnidge. Library 12, "Press Releases/News," SEPCYB.TXT (14,747 bytes) and OCTCYB.TXT (19,398 bytes).

**Deep-Think Essays**—Expositions on cyberish topics abound in ASCII and PC hypertext, including these covering John Perry Barlow's thoughts on government involvement in cyberspace; news, information and knowledge in the electronic realm; and defining culture in a virtual world. Library 12, CRIMEP.TXT (65,158 bytes); Library 2, "Building Realities," NEWCYH.ZIP (25,359 bytes) and CULTUR.ZIP (26,302 bytes).

**Agrippa**—The text of William Gibson's famed self-destructing electronic book. Library 13, "Mondo 2000," AGRIPP (11,249 bytes).

**Cybersex, the Discussion**—Landmark two-month forum thread on the possibilities of virtual, uh, relations. Rather adult-oriented. Library 13, CYBSEX.ZIP (77,533 bytes) and CYBSEX.TXT (215,505 bytes).

## EDUCATION FORUM (GO EDFORUM)

**Education Tech**—Two "literary freeware" articles by William Gibson and Bruce Sterling on the future of computer networks, based on speeches given at an educational conference. Library 1, "New Uploads/Help," FUTURE.TEK (13,931 bytes).

## ELECTRONIC FRONTIER FOUNDATION FORUM (GO EFFSIG)

**Cyberlaw Essays**—Two files examine the legal status of things electronic: the TEMPEST surveillance technology which allows the interception of any digitally stored/displayed data from a distance, and how far governments, companies and people can go in gaining access to electronic files. Library 4, "Cyberlaw," TMPEST.TXT (53,769 bytes) and SEARCH.TXT (59,672 bytes).

**'Zines!**—A sampling: the PostScript laser-printable versions of *InterText*, a fiction digest; *Quanta*, a science fiction compendium; and a late 1993 issue of *Practical Anarchy*, with articles and "anarchy suggestions." Library 5, "'Zines from the Net" ITV3N6.ZIP (242,294 bytes), Q5N2PS.ZIP (268,655 bytes) and PRAC24.TXT (36,119 bytes).

**Crackdown Revisited**—An electronic Afterword to Bruce Sterling's best-selling *The Hacker Crackdown*, describing what has become of the book's principle players. Library 12, "Life in Cyberspace," AFTER (22,952 bytes).

**What Is Cyberspace?**—David Birch and Peter Buck of Hyperion wrote this excellent introduction to cyberspace with thoughts on why the science fiction concept is no longer so fictional. Library 13, "The Matrix Papers," CSPACE.TXT (19,148 bytes).

## GAMERS' FORUM (GO GAMERS)

**CD-i Confused?**—Don't be! Here's an info-pak: a frequently asked questions file; a catalog of CD-i titles from Philips; a comparison of the 3DO and Jaguar players; and ratings of Sega Genesis CD games as of September 1993. Library 6, "Multimedia," CDIFAQ.TXT (30,720 bytes), CDICAT.TXT (41,927 bytes), 3DO.REV (22,045 bytes) and SEGACD.RAT (11,280 bytes).

**Cyberbox II**—Fans of *Tetris*-ish, *Minesweeper*-type and other logic games should like this IBM puzzle maze with scrolling levels. Library 13, "Other Games," C2.ZIP (60,800 bytes).

## GRAPHICS DEVELOPERS FORUM (GO GRAPHDEV)

**Shores of Cyberopolis**—Two nifty GIF "cyberscapes" by Dan Farmer use screen shots from cellular automata programs in part. Makes great wallpaper. Library 2, "Last Month's Images," CAHF1.GIF (317,302 bytes) and CAHF3.GIF (142,173 bytes).

## HUMAN SEXUALITY OPEN FORUM (GO HSX100)

**Cybersex Considered**—Meet someone online and have reservations about taking the relationship further? When does online sex talk become a serious threat to a marriage? These two archived discussion files look at the answers. Library 11, "More Than Skin Deep," LOOKS.THD (25,090 bytes) and Library 10, "HSX Contest," AUG.CON (277,913 bytes).

## IBM APPLICATIONS FORUM (GO IBMAPP)

**PC-BLOX**—You and your kids will enjoy this VR CAD program that lets you create cyberspace constructions with building blocks. Dozens of block shapes included; ongoing design contest. Library 10, "Graphics," PCBLOX.ZIP (121,216 bytes).



#### IBM NEW USERS FORUM (GO IBMNEW)

**NetHack**—Seek the amulet in this classic ASCII character-based role-playing dungeon game played on the Internet, ported to this DOS version. Library 3, "Adventures," NH313.ZIP (677,145 bytes).

**Virtual Winter**—VR simulation drops snow all around you as you move around a decorated evergreen tree. Library 5, "Fun Graphics," WINT10.EXE (93,402 bytes).

**Popular VR Tours**—Explore Charles Caratti's California home inside and out with SoundBlaster sound, many interior objects and a hidden version notification, or Lee Shapiro's Suite 3D, with many objects to activate and a "magic sphere." Library 6, "Gen. Fun & Games," 3DHOUS.ZIP (51,052 bytes) and SUITE3.ZIP (130,562 bytes).

#### MACINTOSH HYPERCARD FORUM (GO MACHYPER)

**Beyond Cyberpunk Samples**—Demos of Media Lab's famous Do-It-Yourself Guide to the Future and the companion stack of "NeoWobbly Epithets" uttered by fractal anarchist Kata Sutra. Library 8, "Misc. Stacks," CYBER.SEA (196,224 bytes) and CYBR2.SEA (55,296 bytes).

**New Media Overview**—Cartoons and essays on virtual reality, computer art and more, from the creator of the "If Monks Had Macs" stack. Library 8, THOMAS.SEA (130,816 bytes).

#### MACINTOSH ENTERTAINMENT FORUM (GO MACFUN)

**Slacker Chic**—From the warped cyberpunk minds at tHUNK!, one of their hip color-and-sound "interactives": a look at the doings of four Generation Xers. Library 2, "Action/Arcade Games," THUNK!.BIN (546,816 bytes).

#### MIDI/MUSIC FORUM (GO MIDIFORUM)

**Techno Samplers**—Windows and Mac versions of sound bites from the techno group 68000 based in San Francisco, often compared by critics to Kraftwerk. Library 11, "Windows Media Sound," 68000.EXE (WAV files, 173,440 bytes) and Library 5, "Macintosh Files," 68000.SEA (System 7 files, 186,752 bytes).

#### MULTIMEDIA FORUM (GO MULTIMEDIA)

**Morph Than Ever**—Watching Yasser Arafat become Yitzhak Rabin (AVI format), or President Bill Clinton turn into a certain Disney character (FLI format)—and on PCs, the Logicil Multimedia Center plays both animations. Library 7, "Hands-on Multimedia," MIDEST.AVI (345,152 bytes); Library 1, "General Information," PUPPET.ZIP (514,769 bytes); and Library 6, "Windows/DOS/OS2," LMMC1A.ZIP (85,032 bytes).

#### NEW AGE FORUM (GO NEWAGE)

**Mind Machine Data**—Two buyer's guides for mind and consciousness technology products, a DOS archive and a Macintosh HyperCard stack. Library 8, "New Age Sciences," TFEGBG.EXE (87,296 bytes) or TFEGBG1.SEA (303,104 bytes). Also, a text list of mind machine vendors is available as RESOUR.LST (2,411 bytes).

#### ROCKNET FORUM (GO ROCKNET)

**Cyberpunk Tunes**—Two files: Roch Parisien's syndicated review of last year's Billy Idol and U2 albums, and a complete catalog of Instinct Records/Sonic Records "Liquid Music" (alternative dance such as techno, rave and house). Library 0, "General/Misc.," ROCH78.REV (4,266 bytes) and Library 10, "New Music," TECHNO (4,535 bytes).

#### SCIENCE FICTION/FANTASY FORUM (GO SCIFI)

**Amulet Announced**—Details of a Los Angeles BBS focusing on VR, artificial life, nano-technology and the cyberpunk lifestyle. Library 1, "General Forum Info," AMULET.TXT (3,863 bytes).

**Cyberpunk Sample**—An excerpt from Wilhelmina Baird's *Crashcourse* (Ace Books), in which characters Cass, Moke and Dosh sign a movie contract only to discover the difference between "real life and reel life." Library 3, "SF Literature," CC.TXT (76,860 bytes).

**Story of Light Years**—A description of this cyberpunkish TV series expected to be completed in 1994, created by "regular guys" with high-end consumer electronics such as NewTek's Video Toaster. Library 10, "SF/Fantasy TV," LY.TXT (1,232 bytes).

#### TELECOMMUNICATIONS FORUM (GO TELECOM)

**Emogrammar**—Phil Wyatt doesn't think <g>s make the grade for expressing emotion online. This file outlines his Periodic Table-like "mood-state" symbols of emotional grammar and their usage protocol. Library 3, "Messaging/Email/EDI," EMOGRM.TXT (24,650 bytes).

**Electronic Citizenry**—A reprint of an article concerning the rise of community computing systems such as FreeNet and a list of community systems with Internet addresses. Library 13, "Community Networks," FREE.TXT (8,470 bytes) and FREENT.TXT (1,031 bytes).

#### WINDOWS FUN FORUM (GO WINFUN)

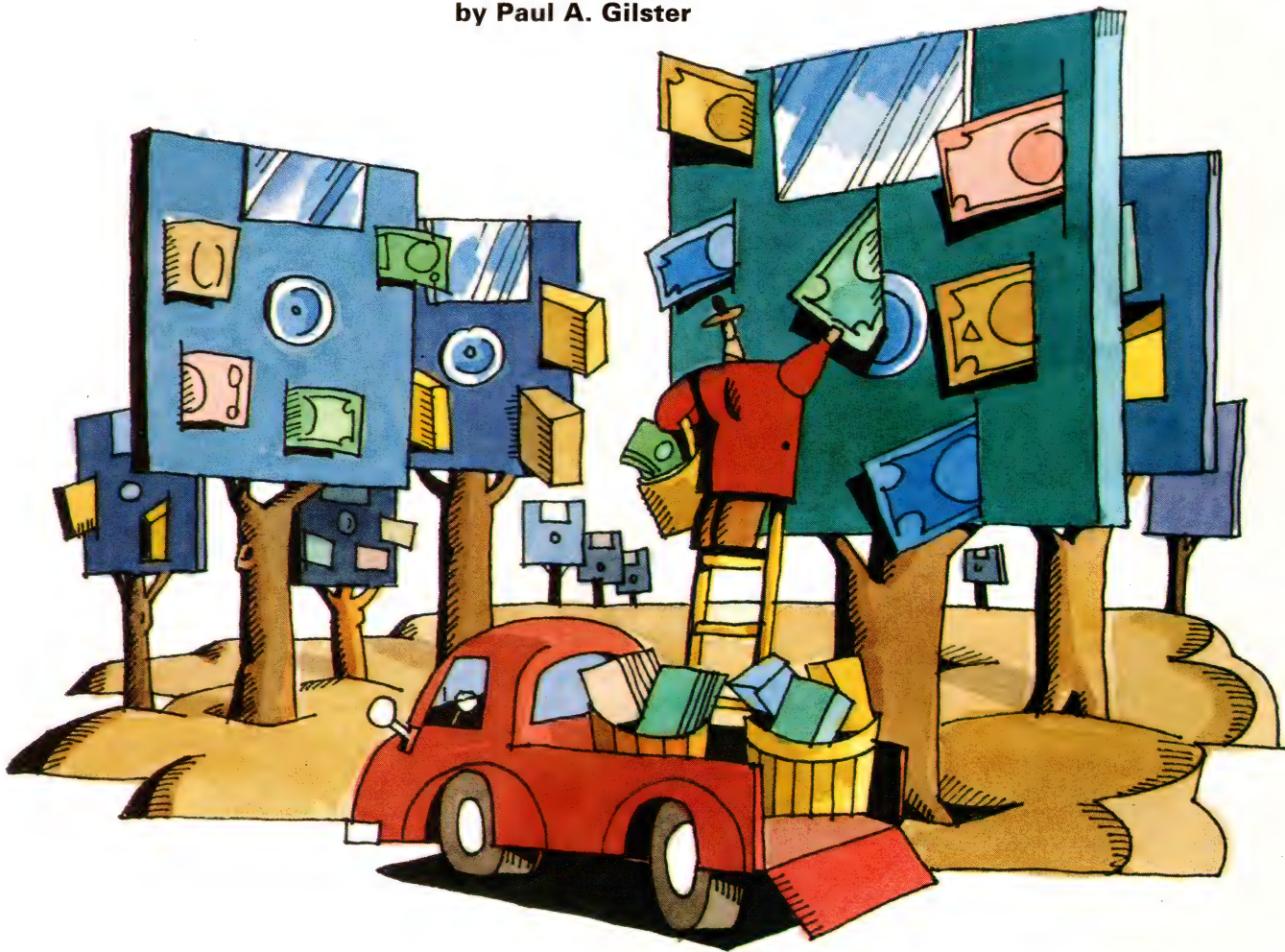
**The Jargon File**—Windows hypertext version of the famous Internet file that archives hacker cyberspeak. Library 3, "Other Games/Fun," JHYPE2.ZIP (846,049 bytes). Macintosh users should see JARGON.SIT in Library 2, "Community Square," of the Macintosh Community Clubhouse Forum (GO MACCLUB).

#### WINDOWS SHAREWARE FORUM (GO WINSHARE)

**Cyber Culture**—This Windows electronic magazine includes hypertext fact and fiction, graphics and sounds all concerning the Digital Age. Library 10, "General Win Apps," CC0101.ZIP (199,875 bytes) and CS0101.ZIP (sounds file, 274,529 bytes). ☎



by Paul A. Gilster



ROBIN JAREAUX

# Harvest Time in Lotus Land

## COMPUTING SERVICES

**CM's Computing Services Credo:**  
Exceed the speed limit, boost power, refresh your memory, squash bugs ... from bootup to shutdown, our global tech team helps you get with the program.

▼  
Noting Lotus' Growth

▼  
Bundles Are Big, p. 24

▼  
Supersize Monitors, p. 26

### ► The architects of 1-2-3 rally with software bearing the fruit of success: Notes and cc:Mail.

Is Lotus Development Corp. on the comeback trail? Some industry insiders think so; others, more cautious about the software developer's prospects, take a wait-and-see approach. There is one thing nearly everyone agrees on, though: Lotus, the creator of the 1-2-3 program that set the standard for spreadsheets, has embarked on a bold campaign to diversify its product line and battle software titan Microsoft at every level of the applications chain.

Unlike its biggest competitor, Lotus has filled in the gaps in its software offerings largely by acquisition. Behind anchor program 1-2-3 are Ami Pro, a highly regarded word processor acquired when Lotus bought Samna Corp.; Approach, a database for Windows from Approach Software; and Organizer, a personal information manager created by British developer Threadz. Lotus upgraded each product to create a common look and feel. Available individually, the programs are selling

briskly, along with graphics tool Freelance, in a combined package called SmartSuite (see "Suite Success," p.24).

Add in two communications products—a workgroup tool called Lotus Notes and an electronic mail system, cc:Mail—and you've created the kind of mix that moves stock prices higher. In July 1992, a share of Lotus cost \$18; a little more than one year later, the price was in the high 40s. The company reported a 151 percent increase in earnings for its fiscal 1993 third quarter, with sales up 16 percent to just over \$240 million—the fourth straight time the company had met the high end of analysts' expectations. Encouraged, Lotus CEO Jim Manzi now targets a 15 percent to 20 percent growth rate over the next several years.

CompuServe veterans hold divided opinions about the Lotus surge. Some see the acquisitions as the beginning of a company-wide rejuvenation. "Buying Samna was the start of the Lotus turnaround," says Ami Pro user Alexander Polsky, a regular in the LDC

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*Paul A. Gilster is the author of The Internet Navigator (John Wiley & Sons, 1993.) His CompuServe User ID number is 75300,2523.*



Spreadsheet Forum (GO LOTUSA) who also uses the new Lotus spreadsheet, Improv. "Now we see that Microsoft's advantage in applications wasn't the application per se, but the operating environment. For the first time, Microsoft has competition from a first-rate company for all its key applications, and it appears Lotus has remained ahead of the curve."

Peter Kirn, a regular in the LDC Words and Pixels Forum (GO LOTUSB), edits *Amifan*, a free newsletter devoted to Ami Pro that is distributed in the word processor's native format, allowing the use of full-color layout and graphics; *Amifan* is available in the LDC Word Processing Forum (GO LOTUSWP), Library 3, "Ami Pro—General." Kirn believes that the purchasing agents for businesses today have their eyes on aesthetics as much as power. "Like art dealers, we not only demand an artist we get along with and a product that is technically correct, but also a nicely packaged vision in our applications," says Kirn. "Lotus has met the challenge perfectly."

Other online veterans aren't as confident. In the Investors' Forum (GO INVFORUM), Sysop Dennis Shepherd questioned the significance of Lotus' third-quarter earnings, pointing out that they show an atypical rise from a depressed quarter the year before. "The transformation at Lotus is for the better," he says. "It happened because competition forced them to listen to customers. The software is first-rate, but the outlook is shaky because of the time they lost during Microsoft's bull's-eye efforts in seeing what customers wanted."

Regulars in the Lotus forums are quick to point to the quality of the software. After a disappointing first release of 1-2-3 for Windows, Lotus followed with a widely praised Release 4.0, whose sales have been brisk. All told, 1-2-3 in its various versions claims more than 20 million users. Freelance remains the No. 1 graphics package in revenues and shipments. Ami Pro never has commanded a large market share, but users commend it for its intuitive interface and power. And Improv, an innovative spreadsheet product originally developed for NeXT computers, was introduced in mid-1993, selling 125,000 copies in its first four weeks.

But perhaps the most unique of Lotus' products is the workgroup tool, Notes, which allows corporations to communicate more efficiently by enabling networked groups of people to share and organize data. Notes takes advantage of the client/server relationship of office networks. Users access docu-

## Notes' Mail Exchange

Lotus Notes users now can exchange electronic mail messages worldwide via the CompuServe Lotus Notes Information Service. E-mail can be exchanged with other Notes users and users of CompuServe Mail, MCI Mail, AT&T Mail, SprintMail, Infonet, Deutsche Bundespost, Advantis and the Internet.

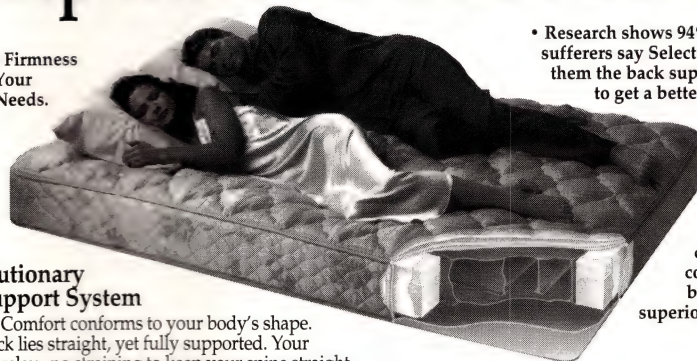
To use this e-mail service, you need an IBM PC or compatible running Lotus Notes server or client software Version 3.0 or higher; a Lotus Notes hierarchical ID (which comes with the Lotus Notes software); a CompuServe Lotus Notes Information Service e-mail membership kit (free); and a modem that runs at speeds up to 14,400 bps. The cost is \$22.80 per hour with a \$10 minimum monthly usage fee. Members who do not have a mailbox on a Lotus Notes home server can rent a CompuServe Lotus

Notes Information Service mailbox for \$10 per month. The \$10 minimum monthly fee is waived for those who subscribe to the private services. (See main piece for description of CompuServe Lotus Notes Information Service's private and public service offerings.)

To order a free brochure explaining the private, public and e-mail components of the CompuServe Lotus Notes Information Service, call Customer Service at 800/233-2247 and ask for representative number 465. To order a membership kit, call 800/233-2247 and ask to speak with a CompuServe Lotus Notes Information Service representative. Members outside the United States can call their countries' Customer Service numbers, which can be found online by typing GO QUESTIONS and choosing Option 3, "Contacting Customer Service."

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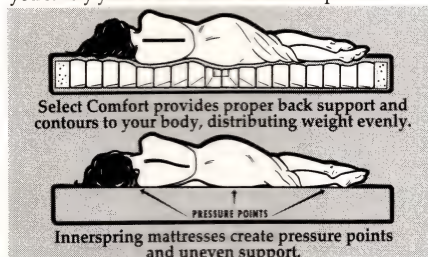
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# Suite Success: Trying Integrated Software

The days of one-stop shopping may have finally arrived in the software industry. Early attempts to blend core applications such as word processors and spreadsheets into a single product, such as Lotus Symphony or Borland International's Framework, met with little success. Today, however, a new paradigm has emerged. Both Lotus and Microsoft bundle their respective company's major offerings into a single cost-saving package. Moreover, each attempts an integrated interface and cross-program connectivity.

The Lotus package is called SmartSuite. Buyers get Ami Pro, 1-2-3 for Windows, Approach, Organizer and Freelance for less than \$500. That price is far below the cost of the products if bought individually. No wonder suites have proven such a popular concept. In fact, more than half of the Microsoft Word and Excel products are sold through Microsoft Office, Microsoft's suite package.

In ZiffNet's Editorial Forum, *PC Magazine* Senior Editor Chris Barr targeted the advantages today's suite products offer over their integrated software predecessors. Price ranked high on Barr's list, as did integration between applications, such as the ability to add a spreadsheet to a word processor document. Among the negatives: "You get stuck with products you may not want, such as graphics and mail, and you can't give them to others in your office." Barr also cited the proprietary scripting languages used by various vendors. "If you buy into one inter-application scripting

scheme, you lock yourself out of others."

Product integration was a commonly cited plus. Laura Cox, a technical analyst for *PC Magazine*'s software team, noted the benefits of programs working together. Lotus 1-2-3, Freelance and Ami Pro, for example, share the same spelling dictionary, a handy way to reduce disk space. Ami Pro's Working Together Bonus Pack includes a macro that allows users to perform 1-2-3 calculations without exiting the word processor, while users of Lotus SmartIcons can create slideshows from Ami Pro documents with little effort. "Even if suites eventually die," says Cox, "the one benefit of their existence will hopefully be common user interfaces across all applications."

Always lingering in the background of Lotus' suite success is the industry's history of choosing single products, rather than being locked into software sets. Having shipped 140,000 copies of SmartSuite in 1992, Lotus now looks to an industrywide move toward modular tools, in which desktop applications are assembled in component fashion, plugging a word processor or spreadsheet into a central software engine. Factor in a business environment in which training always has been a significant cost and the advantages of efficient and inexpensive suites become apparent. The more they sell, the more Lotus will have capitalized on its numerous acquisitions, emerging as a software house with a complete set of user applications.

—PAG

ment databases that can be stored on one or more computers; the data are reproduced on each server computer as needed. "This is a product that can make a difference in how people work," says Tracy Bloom, manager of business development for Lotus Notes. "People who didn't know they needed it are now clamoring for it."

Accounting firm Price Waterhouse, which has offices in some 100 countries, has implemented the product companywide, except in those areas where telecommunications still pose a problem. Gerald Kelly, who has been using Notes in the company's consulting services for more than three years, says he couldn't imagine doing business without it. "It has evolved into a worldwide company BBS, bringing people from all over the firm (and the world) into contact with one another."

Notes has yet to create huge sales momentum for Lotus, but market researcher WorkGroup Technologies Inc. sees the product making up almost half of the company's

revenues by 1997, up from the current 10 percent. Driving the change is the attempt to interest developers in creating products for Notes rather than the Microsoft Windows environment. With roughly 100 products now developed for Notes compared to the huge installed base created for Windows, the Lotus team has its hands full. But the company is banking on a new campaign to explain the product and a full-court press aimed at developers.

Behind the latter is Steve Hochschild, Lotus' director of developer relations, who has energized the company by slashing prices on the Notes development kit. When interviewed for this article, Hochschild was preparing for LotusSphere, the first developers' conference for Lotus products, held in December. "Notes has the majority of our attention because that's where the interest is," says Hochschild. "The momentum is clearly building." Many Lotus clients agree. Says developer Ken Norland, president of

Distributed Systems Solutions International, "Our business is doubling each year, and Notes is the only thing we do."

But Hochschild sees another category carrying Lotus into the black: electronic mail. By moving toward a set of programs with ready links to e-mail, Lotus hopes to position itself as the dean of networked and collaborative computing on the desktop. Hochschild calls these programs "message-enabled and message-reliant applications." CompuServe, recognizing Lotus' popularity and increased emphasis on communications, has added the following services:

- ▶ cc:Mail access to the CompuServe Mail Hub. By registering their systems with CompuServe, cc:Mail administrators enable their sites to exchange mail with a wide variety of e-mail services, including Novell NetWare MHS, MCI Mail, Sprint-Mail, the Internet, AT&T Easylink, Infonet, Advantis and the Deutsche Bundespost, as well as the 1.5 million users of CompuServe itself.
- ▶ The CompuServe Lotus Notes Information Service, an information hub that provides Lotus Notes with global connectivity. Using Notes and connecting with a Lotus Notes Server on the CompuServe Network, members can exchange mail via Lotus Notes mail, and the same mail services accessible on the CompuServe Mail Hub (listed above), as well as a Private Service, which allows restricted access to Notes information. A manufacturer, for example, could provide timely information to customers while blocking entry to unauthorized individuals. Both the electronic mail exchange and the Private Service are currently available. A Public Service offering, featuring stock quotes

and other business information, is scheduled to go online in late 1994.

Individuals and departments within organizations will find the CompuServe Lotus Notes Information Service offerings helpful because they allow connectivity without requiring the user to manage local network services or make extensive equipment purchases. Lotus' Tracy Bloom says the CompuServe offerings free associations and other organizations from the need to run their own server computer. "The combination of CompuServe and Notes allows them to become a virtual corporation. They have access to information anywhere, without needing to worry about being in a specific

## COMPUTING SERVICES



# Overview of Online Lotus Support

Here's a list of Lotus areas online, their GO commands and a description of what they offer. To reach the World of Lotus menu, which provides access to several Lotus forums, the Lotus Technical Library and the Lotus Idea Line, GO LOTUS.

## Computer Directory (GO COMPPDB)

Database of detailed information on manufacturers and specifications for more than 75,000 computer-related products, including Lotus 1-2-3, Agenda, Ami Pro, cc:Mail, Lotus Notes and more.

## Lotus Communication Forum (GO LOTUSCOMM)

Support for Lotus Notes and cc:Mail, including servers, workstations and platforms. Libraries contain technical notes, product overviews, help and utility files, and more.

## LDC Spreadsheet Forum (GO LOTUSA)

Ask about Improv for Windows, 1-2-3, Symphony, add-ons and development tools. Includes a Lotus U.K. section. Libraries contain product information and demos, utilities, add-ons, programs and templates.

## LDC Words & Pixels Forum (GO LOTUSB)

Find help for Agenda, Magellan, Freelance, LotusWorks and Express. Libraries contain product information and demos, utilities, help files and more.

## LDC Word Processing Forum (GO LOTUSWP)

Support for Ami Pro, SmartText, LotusWrite, Word4 and Lotus Manuscript, including sections for shareware, utilities and graphics.

## Lotus Technical Library (GO LOTUSTECH)

Comprehensive collection of Lotus product information. Contains answers to common questions, tips, techniques and troubleshooting guidelines.

## Lotus Idea Line (GO LTS-36)

Submit suggestions for 24 Lotus products, including 1-2-3, Agenda, Ami Pro, Approach, cc:Mail, CD Networker, Freelance, GraphWriter, Improv, LotusWorks, Magellan, Manuscript, Metro, Lotus Notes, Organizer, Smartpics and Symphony.

## Lotus GmbH Forum (GO LOTGER)

German-language technical support for users of Lotus products for DOS, OS/2, UNIX and Windows.

## PC World Online Forum (GO PWOFORUM)

Ask questions and exchange ideas with the editors of PC World magazine's Lotus Edition. Articles from recent issues in the library cover macros, models, spreadsheets and more. Section and Library 4, "Lotus Edition."

## Support On Site (GO ONSITE)

Retrieve the latest advice and updates to solve problems with Lotus and other manufacturers' software, with information from technical newsletters, books and manufacturers' documentation. Also, download software updates provided by the manufacturer. Lotus software supported includes Ami Pro, Freelance, LotusWorks, Magellan, 1-2-3, 1-2-3/G and Symphony.

—PAG

location." The CompuServe Lotus Notes Information Service requires a CompuServe User ID number that is certified specifically for use with Notes.

- ▶ The Worldwide Association of Lotus Notes Users and Technologists (WALNUT), a discussion database on Notes issues, documentation and additional databases. An independent user group, WALNUT provides a variety of electronic membership plans for Notes users. The service is set up as a client/server interaction; CompuServe computers access the local Notes server and replicate the databases on a predetermined schedule. "We see our discussion database as an opportunity for members around the world to ask questions, post ideas and look for help on Notes topics," says David Dimmick, WALNUT's executive director.

The new Lotus Notes offerings take their place alongside the regular Lotus forums, an indication that Lotus is moving forward in its commitment to communications as a basis for future growth. But the company still has obstacles to overcome. Its software purchases, while timely, have eaten into its cash reserves. In addition, it must overcome the ill feelings of users of such products as Magellan, Manuscript and Agenda, who have seen the company drop its support of their tools. Nonetheless, the surge in Notes and cc:Mail and a continuing interest in SmartSuite have raised the hopes of Lotus partisans that its new product line will be a winner. ☐

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# Jolly Screen Giants

by Don Crabb

## Need more monitor? Here's how to choose a new colossal box.

Lately you've been working at that hot '486 clone or Macintosh Quadra 800, plugging away with Microsoft Windows 3.1, OS/2 2.1 or the Finder, running CompuServe Information Manager to visit your favorite forums. Yet there is something about your dream machine that's no longer up to snuff. Hard reflection isolates the problem: your monitor. The 13- or 14-incher that seemed adequate or maybe even luxurious a year ago, now seems cramped and nonfunctional.

The problem is that your computing needs have gotten bigger. You need more screen real estate to handle your graphical user interface (GUI) and all your GUI-based applications. You may even have tried using small screen fonts and squeezing bigger aspect ratios onto your existing monitor, only to find yourself squinting at the miniscule computing world now displayed to you. It's time to 'fess up, you need a bigger screen.

Buying a bigger monitor means spending bigger bucks. As displays get larger, they cost more to make and to sell, even from the deepest of discounters. You'll need to decide exactly how big you want to go—from a slight size increase with a 15-inch monitor, through the mid-range 17-inch monitors, up to the real giants that measure 19 to 21 inches (approximate diagonal measure from one corner of the screen bezel to another)—to determine how much you'll spend. According to *PC Magazine* (GO PCMAG), for a multifrequency monitor, you'll spend between \$400 and \$600 for a 15-incher, \$900 to \$1,400 for a 17-incher, and \$2,200 to \$4,500 for a 19- to 21-inch display.

Note the multifrequency monitor here. According to Rollie A. Jones, a frequent contributor in the Graphics Support Forum (GO GRAPHICS), having a monitor that can support multiple screen resolu-



tions (VGA, SVGA, 1,024-by-768 pixels, 1,280-by-1,024 pixels and Macintosh) means getting the most use out of your existing computers with your new monitor. His own multi-machine setup includes an original CGA PC, an old Radio Shack TRS CoCo2, a Radio Shack TRS-80 Model 1, a Sinclair ZX-81 and an OSI Challenger 1P.

Before you ante up the money for any large multifrequency monitor, however, you'll want to learn the facts about large monitors—what they can offer you, what to look for, how to buy one and if you really need one. Jones, for example, is making do with his current 14-inch multifrequency monitor because of space limitations and "because the one I bought can be used with some vintage machines I have."

Jones doesn't discount the need for a larger monitor, though, and feels that the primary need should be driven by "the fact that some increase in productivity can be had by cramming more on the screen without needing a magnifying glass, to see it all or having it running all over itself." Jones also notes that the dot pitch (the size of the screen pixels) on large monitors is not much larger than that found in 14-inch monitors. As a result, larger monitors can offer improved image clarity even when the image elements are small.

As important as image clarity is with any large monitor, figuring out how to check for it in a computer store can be difficult, says Joseph A. Warren, a Graphics Forum member. "Make sure you test the exact monitor that you are going to take home in the store first to ensure that everything is kosher," Warren advises. Such testing may be a bit tricky, however, if the store you are shopping in doesn't have the same video card or video output that you will use. In that case, you should consider bringing in your machine or at least the video card to try it with the monitors you're interested in buying. Above all, Jones says, "buyers should be able to test monitors on software similar enough to their own applications to see if their planned purchases are really worth it to them."

Are the issues different for someone buying a new PC or Mac, rather than replacing an existing smaller monitor? Brian Stirling, an IBM Hardware Forum (GO IBMHW) member, thinks so.

## COMPUTING SERVICES

### Read More About It

For more information on large (17 inches and up) and ergonomic monitors, check out the following articles in *Computer Database Plus* (GO COMPDB):

"User Group Tip: Relief for Large Monitors," *PC World*, October 1993. Reference #A14429742.

"A Wider View," *PC Magazine*, Sept. 14, 1993. Reference #A14206482.

"Sorting Through Large-Screen Monitors; Knowing the Right Questions to Ask Can Make Your Selection of a Larger Monitor Seem Less Daunting," *Computer Graphics World*, August 1993. Reference #A14206697.

"Monitoring Monitors: Eight 17-inch Color Displays," *InfoWorld*, July 26, 1993. Reference #A14080577.

"Ergonomic Monitors: Today's Monitors Are Sharper, Brighter, and Safer Than Ever Before," *Computer Shopper*, May 1993. Reference #A13711959.

"Getting the Big Picture on Large-Monitor Specs," *MacWEEK*, April 26, 1993. Reference #A13765577.

"Data on Display: Choosing the Right Monitor," *Computer Shopper*, April 1993. Reference #A13479964.

"Big Screens: Twelve 20- and 21-inch Monitors," *Windows Sources*, April 1993. Reference #A13511112.

"Easy on the Eyes: 23 17-inch Hi-Res Monitors," *Windows Sources*, February 1993. Reference #A13305129.





He has ordered a new Gateway 2000 PC with a Viper video card and wants to buy a mid-range large monitor. He has narrowed his selection down to two 17-inch monitors, the NEC 5FGe and the Nanao 550i. He ordered the system with the NEC 5FGe, "but if I can be convinced the Nanao 550i is a better monitor, I'll change my order before they ship it." The NEC and the Nanao are two of the most widely praised 17-inch monitors, yet Stirling still wonders which monitor under \$1,200 (mail-order price) is the best.

Nil Toulme, an IBM Hardware Forum contributor, thinks the ultimate decider is a matter of personal taste for specific monitor characteristics. "If you're sensitive to glare, you'll prefer the Nanao. If you like a bright image above all else, you'll like the NEC," he advises.

Indeed, personal preference in a number of monitor characteristics should guide your buying. Jones notes that "sharpness and resolution are important" when buying any large monitor. And the ability to tweak an image will help you adjust your new graphic display to eliminate any defects or adjust it for changing eyesight. You should also look for "digital controls with the buttons on the front," which are easier to adjust than analog controls, hold their settings better and can be programmed for special control functions on some models, according to Burlingame, California, resident Joseph A. Warren.

According to Cherry Valley, New York, resident Jim Faliveno, you need "a good pincushion control on the larger monitors." Faliveno, author of TagVue and CaddView, file viewer and management programs, explains that "pincushion occurs when the vertical sides of the image are squeezed in or bowed out." Well-designed large monitors offer a control to fix this image defect. In fact, Faliveno says, "I'd hate to buy a large monitor without one unless the manufacturer or dealer would guarantee that the sides would be straight."

Besides a pincushion control and its related keystone control, you should look for digital controls for image size (vertical and horizontal) and image positioning (vertical and horizontal), as well as analog controls for contrast and brightness. Most monitors, though, lack color controls. "I have yet to see a color monitor in any size that has accessible color adjustments, although I have heard that such monitors exist," says Jones. If you can find controls to adjust a display's color, tint and saturation, buy it. The more controls a monitor provides, the better you can tweak the image.

Naturally, your budget will be a major factor in which large monitor you buy. But

After having spent the big bucks for your new large monitor, you finally enshrine it in your work area. You fire it up, and it looks great. Then you hit the overhead lights. Ouch! Your hot new monitor now looks decidedly washed out with a number of hot spots glaring at you. What do you do?

Either take the monitor back to the store and buy the same one with the vendor's anti-glare coating on the screen (most large monitor vendors now offer such coatings, either as standard equipment on their most expensive big screens or as an option on less expensive units), or fit it with an aftermarket antiglare filter or lens.

The effectiveness of a filter is dependent on what it's made of and how closely it fits to the screen. Some filters are made of fabric mesh, which cuts glare dramatically, but it also cuts transmitted light, making the image sometimes look dull and lifeless. Others are made of tinted film, which cuts less overhead glare but is also less dulling to the image. The best filters are those that use polarizing lenses, but they also

cost the most (as much as \$200 for a 21-inch screen).

A polarizing lens transmits light in only one plane—horizontal or vertical. By adjusting the orientation of such filters, you can get the optimum combination of overhead and reflected glare removal and maximum image light transmission.

Make sure that any filter you buy will fit closely to your screen—typically by attaching it with hook and loop fasteners. That will cut the overhead light that can work its way between the filter frame and the screen.

Finally, with any filter you buy, make sure that you can return it if it doesn't work right in your environment. A good filter can make an already crisp image seem to snap out at you, while a poor filter can make the image so muddy that you can barely stand to look at it. The only way to validate a monitor filter's effectiveness is by trying it with your setup.

—DC

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OLDE	60	100	150	205	40	40	65	
QUICK & REILLY	77	128	171	171	41	46	61	
PCFN	80	140	160	160	40	44	53	
SCHWAB	100	166	221	221	41	46	61	
FIDELITY	102	166	221	221	38	43	61	
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how big should you go? Most experts, such as *PC Magazine's* Bruce Brown and founding *MacUser* Editor Steven Bobker, say that if you are doing desktop publishing or other graphics work, you'll want a two-page display unit. Two-page models come in sizes from 19 to 21 inches and support resolutions to 1,280-by-1,024 pixels and beyond, costing upwards of \$2,200.

If you don't do desktop publishing and graphics work, however, you can save a lot of money by buying a smaller large monitor, with the 17-inchers nicely splitting the difference between the two-page monsters and the mainstream 14- and 15-inch monitors. In fact, sometimes a really large monitor can defeat the purpose of buying it. For example, Faliveno bought a 21-inch monitor thinking bigger was better. "What a mistake," he says. "I had to move my chair back several feet from the desk to feel comfortable. A 17-inch monitor is just fine."

Faliveno's comments point out that you need to consider the rest of your computing environment, the size and strength of the monitor table or desk you will use, and how a big screen will fit into all that. You may find

that a 16- or 17-inch screen gives you enough space, without the added size, weight and expense of a 19-, 20- or 21-inch box.

However, Rob Musson, another frequent contributor in the IBM Hardware and Graphics Support forums, raised the red flag to some users who could live with a 17-inch monitor now but would learn to hate it later. "A 17-inch monitor may be fine for general use, but if you are doing a lot of finely detailed work such as high-end DTP or pre-press, you should consider a larger monitor," he says.

Even after you have purchased your large monitor, you'll need to carefully adjust its image, including the color, color registration, image pincushioning and keystoneing, image intensity and other characteristics, to get it just right for your eyes. When Lily Owens of the Graphics Support Forum acquired a new large monitor, it wasn't set up right and bothered her eyes. "Really, my eyeballs ached," she says.

But don't forget the small details when buying a large monitor. According to Paul O'Nolan of The Netherlands, an item often

overlooked is high-frequency noise. "It's an occasional problem when working in DOS," he says, and sometimes it can be found on

Mac monitors. It's important to check, as any monitor with that problem can give you a headache or worse.

Besides high-frequency noise, also consider other ergonomic issues, says *PC Magazine's* Bruce Brown. Especially important is a good built-in swivel/tilt base and proper shielding to prevent the leakage of stray electromagnetic radiation. Make sure any monitor you buy adheres to the so-called MPR II standards, which help guarantee that you aren't being exposed to potentially dangerous radiation.

CompuServe members and experts agreed on one last point: Shop around before you buy a large monitor and don't disdain private label monitors. Often these are name-brand goods with some other label stuck on them, and you can buy them for a deep discount. ☐

*Don Crabb is a contributing editor and columnist for MacWEEK and other publications. His CompuServe User ID number is 75300,3165.*

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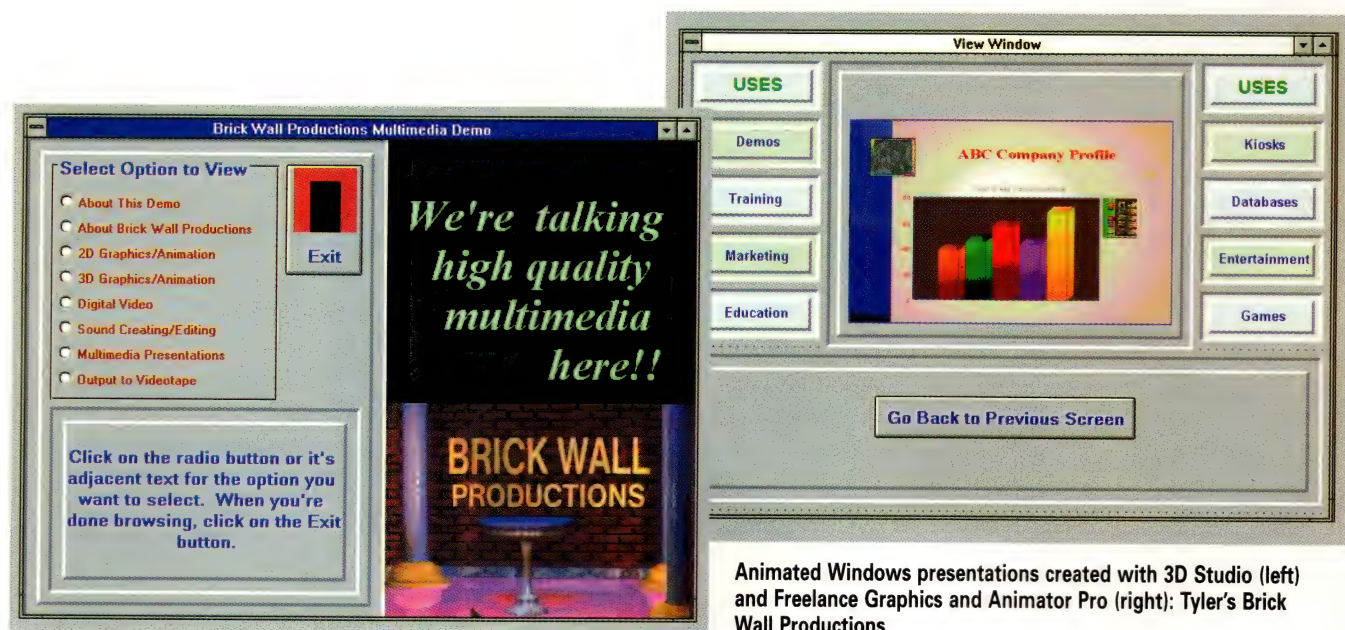
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Animated Windows presentations created with 3D Studio (left) and Freelance Graphics and Animator Pro (right): Tyler's Brick Wall Productions

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# High-Tech Show 'n' Tell

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Presentation Uploads,  
page 33

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Financing, p. 34

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To Whom Do You  
Give Credit? p. 38

## ► Business presentations, with the addition of gee-whiz multimedia bits, look more presentable.

Leading the running for computer cliché of the '90s is the one about PC-based multimedia: "A solution in search of a problem," it goes. Or sometimes, "Great supply, but no demand." Or simply, "Who needs it?"

There is, nonetheless, a side of multimedia designed for individuals and already being used in a number of venues: multimedia presentation software.

You can think of presentation applications as descendants of the automated slide show, the technology, until recently, used almost universally for large-scale corporate communications. Such shows link as many as 27 computer-controlled 35mm slide projectors to put a series of specially developed images in front of an audience, using crossfades, rapid image changes and a synchronized audio tape deck to create surprisingly sophisticated presentations.

In its most basic form, multimedia presentation software lets you display a series of images that can include text, graphics and sometimes digital video in an automated sequence, accompanied by narration, sound effects and music. Certain applications also offer some degree of interactivity. The various applications follow the slide show

metaphor and usually retain its basic simplicity and structure, so almost anyone can use the software effectively. This distinguishes presentation applications from multimedia "authoring" programs, which use complex "scripting" languages to create much more sophisticated productions.

Bill Irvine, owner of Visionary Media Inc., has used both kinds of programs in a multimedia product called Interactive Literature~, a series of first-run children's and young adult literature for Windows and the Macintosh. He uses Gold Disk Astound and Macromind Director in developing his books. "Astound is a simple drag-and-drop presentation maker with some powerful animation capabilities," he says. "There's no scripting, so you just create one frame at a time by dragging images onto the screen and then animating them."

Irvine also uses Astound as an inexpensive springboard into more complex multimedia presentations. He says learning Astound helped him understand the presentation genre so well that he now uses the more sophisticated Director even for simple applications.

Irvine uses Astound in two ways: to create a traditional slide show-type presentation about his company for potential investors

---

*Tim Tully owns a multimedia production studio specializing in sound and music for computer games, multimedia and CD-ROM titles. He is co-author of The Audible PC (Sybex). His CompuServe User ID number is 70762,517.*



and to develop a noninteractive rough draft of his books. "I was able to assemble a draft of one of my multimedia books in three days. I've never used the old-fashioned kind of slide show, but I can't imagine doing this with slides, since everything in it is based on animation and music. I don't know how I could have done that with slides," Irvine says. "Presentation software saved me time and made learning the more advanced authoring software easier."

Irvine is also a devoted CompuServe user. "This company was literally born on CompuServe. I got all the encouragement and advice I needed to start Visionary Media from the members of the Computer Art Forum (GO COMART). It's hard to say how valuable I found the brainstorming on interactive graphic novels that goes on in the Graphic Novels section of the forum." He also gets hardware and software advice from members of the Macintosh Multimedia Forum (GO MACMULTI).

Presentation software isn't new. Programs such as Microsoft's PowerPoint and Harvard Graphics have been helping create desktop "slide shows" for a few years. What is new is the range of capabilities of such applications.

The expanding crop of new and upgraded programs not only can handle computer-based digital video, such as Macintosh QuickTime or Microsoft Video for Windows, but also can use a PC sound card to play digital audio and Musical Instrument Digital Interface files. The digital audio lets you play any kind of sound along with your videos, from a spoken voice to a gunshot, to provide information or emphasize a point. MIDI files can play instrumental music on the synthesizer chips included on sound cards. Both have become more important lately, largely due to the phenomenal increase in the quality of sound cards over the last couple of years.

Most sound cards today are vastly superior to anything available only a year or two ago. For a few hundred dollars, you can get digital audio that begins to approach professional quality, and play intro, outro and background music on some very good-sounding synthesizers. This sonic dimension constitutes an enormous step toward making it possible for almost anyone to create a polished, effective presentation with no hardware external to the PC other than speakers.

Most presentation programs offer some unique or unusual feature, enabling each to differentiate itself from the pack. Softcraft Presenter, for example, in addition to making it easy to produce bulleted lists and good-looking graphic charts, also lets you print additional features such as speaker's notes and handouts for an audience.

Selecting a presentation program can be a daunting chore. Ron Wodaski, section leader in the Multimedia Forum (GO MULTIMEDIA), suggests a strategy for taking advantage of the new multimedia functions. "If you've already used an older presentation

software product extensively, you may want to upgrade to the latest version of that product to get the sound, video and other multimedia features most upgrades offer," he says.

However, while this may make the migration easier, it also may mean giving up some of the multimedia functionality that the new multimedia presentation packages offer. "I personally think it's best to bite the bullet and go with one of the newfangled programs," says Wodaski.

Eugene Barnes, who does research and

development in electronic publishing, purchased Vividus Cinemation to enhance the presentations at a series of seminars his company gave. "We wanted to make our presentations as high-tech as the subject matter—have them play back on cue, in real time. No more boring overheads. Since we didn't want to spend forever learning an application, we chose one that had received good reviews."

When the application proved buggy, Barnes had to find a new program immedi-

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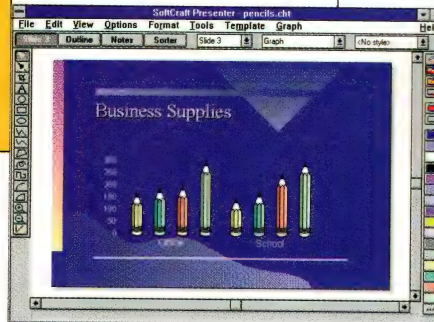




# Presentation Product Vendors Online

Company and Product Name	Forum Location
<b>Aldus Corp.</b> Aldus Persuasion	Aldus Forum (GO ALDUS), Sec. and Lib. 8, "Aldus Persuasion"
<b>Alpha Software</b> Bravo	PC Vendor E Forum (GO PCVENE), Sec. and Lib. 15, "Alpha Software"
<b>Asymetrix Corp.</b> Compel	Windows 3rd Party Applications A Forum (GO ASYMETRIX), Sec. and Lib. 1, "Asymetrix"
<b>Autodesk</b> Animator; 3D Studio	Autodesk Software Forum (GO ASOFT), Sec. and Lib. 2, "Autodesk Animator"; Sec. and Lib. 3, "Autodesk 3D Studio"
<b>Corel</b> CorelDRAW	Corel Forum (GO COREL), Sec. and Lib. 1, "CorelDRAW! 3.0"; Sec. and Lib. 2, "CorelDRAW! OS/2"; Sec. and Lib. 6, "CorelDRAW! 4"
<b>DeltaPoint</b> DeltaGraph Professional; DeltaGraph Professional for Windows	Mac A Vendor Forum (GO MACAVEN), Sec. and Lib. 5, "DeltaPoint"
<b>Gold Disk</b> Professional Draw; Animation Works Interactive	Windows 3rd Party Applications C Forum (GO WINAPC), Sec. and Lib. 16, "Gold Disk"
<b>Lotus Corp.</b> Freelance Graphics	Lotus Words and Pixels Forum (GO LOTUSB), Sec. and Lib. 2, "Freelance/Windows"; Sec. and Lib. 3, "Freelance for OS/2"; Sec. and Lib. 4, "Freelance/DOS"; Lotus Technical Library (GO LOTUS), search by product name, Option 7, "Freelance"

Company and Product Name	Forum Location
<b>Macromedia</b> Action!	Macromedia Forum (GO MACROMEDIA), Sec. and Lib. 4, "Action/ClipMedia"
<b>Microsoft</b> PowerPoint	Microsoft Applications Forum (GO MSAPP), Sec. and Lib. 2, "PowerPoint"
<b>SoftCraft</b> SoftCraft Presenter	Windows 3rd Party Applications B Forum (GO WINAPB), Sec. and Lib. 10, "SoftCraft"
<b>Software Publishing</b> Harvard Graphics	Software Publishing Corp.'s main menu (GO SPC), Option 2, "Presentation Graphics"; Software Publishing Corp. Forum (GO SPCFORUM), Sec. and Lib. 7, "Harvard Graphics"; Sec. and Lib. 8, "HG Windows"
<b>Symantec</b> MORE	Symantec Applications Forum (GO SYMAPPS), Sec. and Lib. 3, "MORE"
<b>Visionary Media</b> Astound	Mac Multimedia Forum (GO MACMULTI), Sec. and Lib. 11, "Presentation Software"
<b>Vividus</b> Cinamation	Mac Multimedia Forum, Sec. 11, "Presentation Software"; and Lib. 14, "Misc. Multimedia"
<b>WordPerfect</b> Presentations	WordPerfect Users Forum (GO WPUSERS), Sec. and Lib. 16, "Presentations/Graphics"



**Snappier charts and graphs: SoftCraft's Presenter**

ately. "If it hadn't been for users mentioning Cinamation in the Mac Multimedia Forum, I wouldn't have known to check it out. I'm now in the habit of posting questions on CompuServe for just about everything." He advises people shopping for presentation software to post a message in the multimedia forums, asking if anyone has used the application and what problems they have encountered. "The feedback from others can be most enlightening," he says.

One of the most significant events in the multimedia world was the issuance of the Multimedia PC (MPC) specification by Microsoft. Among other things, it specified the hardware necessary to equip a multimedia-capable computer. Today, the MPC Level 2 specification recognizes technological advances but still describes a PC with a sound card, a CD-ROM drive, and a basic amount of RAM and disk space to do the job. Any MPC upgrade kits, from such manufacturers as Media Vision, Creative Labs and Cardinal Technologies, give you all you need in one package. Most people in the business

recognize the MPC specs as being a good starting point.

Denise M. Tyler, a free-lancer in Madison, Wisconsin, under the name of Brick Wall Productions, specializes in creating 2-D and 3-D computer animation and presentation material for small to medium-sized businesses. To play multimedia files, Tyler says a '486-based computer with at least 8MB of RAM and a sound board with 16-bit playback and MIDI capability is necessary. She warns against the common tendency to pay less attention to the sound card than to the visually oriented equipment. "The sound quality is just as important as the graphics display quality," she says.

Storage is important, too. "The larger your hard drive is, the better," says Tyler. "A presentation using 200MB or more of hard disk space is not unheard of, and if a CD-ROM is in your future, definitely select a double-speed CD-ROM drive with a fast ac-

cess time and data-transfer rate."

Tyler finds CompuServe to be a valuable asset for her business. "It's where

I get the majority of my technical support and product information. Most of the application software I use has forum support," she says. "If I need the latest update or driver, or a file that might make my job a little easier, or just some suggestions on how to perform a certain function in a program, the first place I check is CompuServe."

The multimedia industry is expanding at a spectacular rate. From high-end authoring to interactive home TV, it's the driving force behind much current research, calling for greater processor speed, faster and larger storage, video compression and a host of other improvements. But back in the slipstream of the bleeding edge, the old business presentation is getting pulled along to new ground, and ever-new bells and whistles are there for even the casual user. There's a lot to see, and a lot of new ways to see it.

## PERSONAL ENTERPRISE



# Morphs, Movies and More: Presentation Uploads and Resources

Looking for presentation software? Forum libraries offer plenty of demos, shareware and freeware that may suit your needs:

## GRAPHICS A VENDOR FORUM (GO GRAPHAVEN)

**Business Graphics**—Demo of Nano-Comp Graphics' MultiChart business presentation graphics toolkit for making charts and graphs. Library 12, "Metagraphics," NCDEMO.ZIP (186,581 bytes).

## GRAPHICS DEVELOPERS FORUM (GO GRAPHDEV)

**Ask Dave**—Dave's TGA Animator serves as a flexible picture file-conversion program that can read and write formats including FLI, FLC, FLX, TGA and GIF. Features image processing and other effects. Library 13, "Morphing," DTA.ZIP (162,081 bytes).

**Morph from Orph**—RMorph is fast morphing software for any home computer that supports the input of GIFs and Targas and the output of TGA, GIFs and FLIs. Library 13, RMORF4.ZIP (231,030 bytes).

**Image Processor**—Finish your image with The Complete Image, a powerful animation tool with read, write, merge, convert and contrast enhancement capabilities. Library 6, "Raytrace Sources," CIMAGE.ZIP (346,445 bytes).

## GRAPHICS SUPPORT FORUM (GO GRAPHSUP)

**Grasping It**—Updated version of GRASP runtime player. Improves SVGA compatibility; works with all GRASP library files. Library 11, "GRASP Demos," GRSPRT.ZIP (74,868 bytes).

**Fun with Windows**—View multiple images, audio and full-motion video on your screen simultaneously with Display-Master for Windows. You can record comments electronically for each file previewed. Demo. Library 12, "Graphics Demos," WINDM.ZIP (281,421 bytes).

## IBM APPLICATIONS FORUM (GO IBMAPP)

**Demo Workshop**—Create online presentations and edit like a movie: cut, copy and resequence scenes, and add pop-up screens and menus. Library 7, "General Applications," DWRK11.ZIP (177,970 bytes).

**Multimedia Workshop**—Drawing, text, sound, music, animation and presentation program that can be used to create disk-based catalogs, books and tutorials. Supports Sound Blaster and digitized speech. Shareware. Library 7, MULTI.LZH (525,777 bytes).

## Read More About It

For generalized "how to" information on presentation software or reviews of available packages, search Computer Database Plus using the keywords PRESENTATION SOFTWARE, narrowing your search by article type, such as tutorial or software review. The following are just some of the articles you'll find:

"The Sound and the Fury" (software review including Editors' Choice winner and testing procedures), *PC Magazine*, Sept. 14, 1993. Reference #A14208360.

"Presentation Power" (review of Windows presentation graphics packages including related articles on best product, multimedia capabilities and low-cost packages), *PC/Computing*, September 1993. Reference #A14105831.

"Presentation Software Puts Multimedia to Work" (buyers' guide), *MacWEEK*, July 12, 1993. Reference #A14031963.

"Presentation Graphics: The Sound and the Glory" (overview of seven evaluations of presentation packages that let you add sound and animation), *Windows Sources*, May 1993. Reference #A13718513.

"It'll Be Alright on the Night" (advice on compiling presentations), *PC User*, April 7, 1993. Reference #A13720758.

"The Art of Business: Presentation Software" (buyers' guide including related articles on spreadsheet software, presentation tips and shopping guidelines), *Computer Shopper*, February 1993. Reference #A133118671.

"Presenting Your Business: Mac-based Tools Take Users from Concept to Completed Presentation in Minutes" (information on presentation software for Macintosh computers), *Computer Graphics World*, January 1993. Reference #A13364130.

"Publishing & Presentations: Expert Advice for Creating High-Impact Documents and Presentations" (tutorial), *PC World*, September 1992. Reference #A12633201.

"Choosing the Right Clip-Art Collection (for presentations)" (tutorial included in the "Building Business Presentations That Work!" article package), *PC/Computing*, May 1992. Reference #A12069284.

"Transform the Boardroom into a Screening Room: The Right Hardware Gives Your In-house Presentations Maximum Impact" (part of the "Building Business Presentations That Work!" article package), *PC/Computing*, May 1992. Reference #A12069284.

"Take Your Presentation on the Road: Color Portables, LCD Panels and Other Carry-with-You Items Let You Present Stunning Shows Away from Home" (part of the "Building Business Presentations That Work!" article package), *PC/Computing*, May 1992. Reference #A12069286.

**Bringing Slides to Life**—Picture It with Sound lets you attach WAV sound files to picture files to create business slide shows. Library 10, "Graphics," PICT50.LZH (271,232 bytes).

**DOS Presentations**—DOS-compatible Text-Show 5.0 presentation shareware features screen fades and transitions, custom fonts, Sound Blaster support, special effects and more. Library 10, TSHOW5.LZH (258,755 bytes).

**Hold the Scripts**—EZ-Show 1.4 lets you create desktop presentations and slide shows without scripts. Works with anything that can be displayed on screen, from text to Super-VGA graphics. Features fades, individual picture delays, user flow control and more. Library 10, EZSHOW.EXE (63,743 bytes).

**SuperShow 4**—Multimedia presentation program for GIF and PCX image files, featuring animated logo effects, screen transitions, special effects, Sound Blaster support and more. Sample demo script and presentation included. Library 10, SS4.ZIP (387,681 bytes).

## MAC MULTIMEDIA FORUM (GO MACMULTI)

**Illustration Studio**—Self-running, interactive demo of Black Box Studio ViewoMatic, a free-lance illustration studio. Library 12, "Projects/Presentations," VIEWO.CPT (525,696 bytes).

**On The Air**—Fully functional demo of On The Air, a low-cost, easy-to-use presentation package designed for the Mac. Library 12, OTADMO.SIT (156,800 bytes).

**Making Noise**—Record, play and edit sampled sound with SoundBuilder, for use with WAV files. Includes manual and one example sound byte. Freeware. Library 14, "Misc. Multimedia," SBLDR.SEA (95,744 bytes).

**Mac Personality**—This DL Viewer displays DL animations on a Mac. Freeware. Library 14, TIMECO.CPT (20,736 bytes).





# Touring the Venture Capital

## ► What to consider when sniffing out startup funds for a new business.

When starting a new business, aspiring entrepreneurs are often high on enthusiasm but low on funds, particularly in today's market. However, money is available—if you know where and how to look.

"It's true that investors are not rushing in, but they are out there," says Dan Christante of Entity Financial Services Inc., in Ontario, Canada. "Today's investors want detailed business plans. They want, for example, to see fundseekers' net worth statements and tax returns."

But as crucial as a business plan is, even more essential are the research, insights and assumptions needed to put one together. Marcia Layton, owner of Layton & Co. in Rochester, New York, recommends *Entrepreneur's* Small-Business Forum (GO USEN) as a good place for small-business owners to start gathering the information needed to develop their financing strategy as well as to make contacts with financing consultants, brokers and venture capitalists. "There are

sections for discussion of financing situations and a business-planning section," notes Layton, a business-plan consultant and writer who uses several online databases, including Magazine Database Plus (GO MAGDB) and Business Database Plus (GO BUSDB) for background and historical information and TRW Business Profiles (GO TRWREPORT) for competitive information.

"There are many ways to find financing," says Mark Smithivas, one of the founders of Better Health Solutions in Chicago, who is still researching and sorting out the options available to him. He and his partners need financing to purchase equipment for their stress-reduction and relaxation center, as well as to secure commercial space and renovate it to suit the new venture. They also need working capital to cover marketing and operational expenses during the startup phase.

"A lot depends on the outcome of our business plan," Smithivas says. He is counting on his plan to help him decide whether to seek financing from a bank, venture capital-

ist, private investor, government agency or other source. "That's why it's so crucial to get your ideas fleshed out on paper before you do anything else," he notes. "Once you know what your primary sources of financing *ought* to be, you can get back online and ask around for actual names and addresses."

Because small-business financing can take many forms, it is important to determine what will best suit your needs and objectives. Business people who don't want to surrender any equity in or control over their company may opt for a loan from the Small Business Administration, a bank or a relative. Others may choose a profit-sharing arrangement. Still others may decide to sell stock in their company in exchange for a capital transfusion, while the true "do-it-yourselfer" may prefer to rely upon sweat equity.

In his numerous business ventures, Missouri-based entrepreneur John F. Kuhns has used a variety of financing methods including borrowing money from banks, entering into partnerships and getting extended credit from suppliers. For example, AquaScience Research Group, Kuhns' primary business, which develops, manufactures and distributes chemical products mainly for the aquarium industry, originated as a division of another company. To buy it, he borrowed money from the major stockholder of the company that became his main customer. That lender is now a one-third owner of AquaScience. "That money was paid back fairly rapidly, and we paid at just a little above the current bank interest rates at the time," Kuhns says.

He believes that corporate partnerships can be effective ways of amassing startup capital because someone is designated president or chairman and has the power to make decisions. Kuhns is leery of entering into 50-50 partnerships because there are two bosses. "If you're both strong personalities and one of you doesn't take the lead and the other one doesn't follow, it ends up in divorce," he warns.

If small-business people want to finance through a bank loan, Kuhns recommends that they go to their regular bank. "Obviously, if you go to a bank for financing and don't even have an account there, they're going to look at you kind of funny," he says. Plan ahead several months and begin cultivating a relationship with a banker. "It may not help, but it certainly cannot hurt," he notes, warning that many banks often require collateral worth more than the sum a small-business owner is trying to borrow.

One of the best financing methods Kuhns has used is receiving extended credit from suppliers. "If you can find suppliers that have deep enough pockets, they literally can

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act as a banker, and it's basically interest free," he says. However, businesspeople should be aware that they then must play fair with suppliers, amply paying them back as soon as possible, he notes.

Another common practice for securing sufficient funds is opening lines of credit with personal credit cards. Debbie Dewey, owner of Executive Project Service in New York, planned her startup carefully while still holding a salaried job at a New York bank. Using funds from several lines of credit and the sale of some employee stock, Dewey, an assistant sysop in the Working From Home Forum (GO WORK), had sufficient capital to get her administrative service/private investigation firm off the ground. She cautions, however, that while personal credit cards may get you going, it's important not to go too far. Overextending your personal credit will not do you or your emerging business any good.

Owner of a Ft. Collins, Colorado-based small-business consultancy, Jeff Yarberry financed his new company through similar means. He employed a variety of financing sources including credit card draws, to purchase some assets and to cover initial operating expenses, and personal savings. According to Yarberry, he chose credit cards and savings because they were readily available. However, he notes that credit cards often carry extremely high interest rates and startup owners are often unable to spare personal savings.

Dewey and Yarberry both recommend that, if possible, entrepreneurs keep their existing jobs. "If you have a steady job and decide you want to start a business, don't quit that job," Dewey advises. "Do the startup part time. The steady income will help you get that startup up and running without the worry of how to pay bills." Yarberry says that holding an existing job and starting a business on the side is the ideal situation.

ServiceMaster franchise owner Todd Birdsall of Lansing, Michigan, did just that. Before quitting his job as an airline pilot, he performed the research and filled out the necessary applications for buying his own commercial cleaning business. He decided that the name and consumer recognition, training and support that a franchise offers was well worth the higher rate of interest that financing through the national franchise entailed. He received a five-year loan from ServiceMaster, which he is paying back through automatic monthly deductions from his checking account.

Keeping your job, at least for a while, is also a good idea if you are thinking of financing your new business with a second-trust deed on your home—another popular source

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# Building a Better Business Plan

Your business plan is an investor's first and best glimpse into who you are and what your business can accomplish. Thus, it should be exhaustive, without being exhausting—no longer than 50 pages, well-organized, clearly written and containing comprehensive, realistic financial projections.

"The trick," notes Marcia Layton, a business-plan consultant and writer in Rochester, New York, "is conveying the information in a logical, straightforward manner and format."

"The more comprehensive your plan is, the better your chances are of obtaining financing," adds Dan Christante, head of Entity Financial Services Inc., an Ontario, Canada-based business that matches entrepreneurs with funding. "In 90 percent of the plans I see, inadequate financial information is the No. 1 problem."

Don't look for financing before your business plan is ready. "Many times I talk to potential fundseekers, only to discover that they do not have a plan," says Christante. "If an investor were to reply to a forum message, they'd have no information to send—not the way to start a potential relationship. Anyone can come up with an idea. Investors look for the person who can take the idea and build a company around it."

While the business plan must be complete, don't include confidential information that would require a potential investor to

sign a nondisclosure agreement. "Investors generally don't sign them," Christante notes. "And nondisclosure agreements often list conditions that are impossible for someone to adhere to."

Here are some specific guidelines from Layton and Christante of what to include in a business plan:

- ▶ **Executive Summary**—Begin with a succinct but thorough overview, generally one or two pages. Remember that it is the first and, if not done properly, could be the last part of your proposal a prospective investor sees. The executive summary, often best written last, provides an overview of the company's goals and purpose, product features, market potential, capital sought, and technical and operational milestones.
- ▶ **Table of Contents**—This section provides a glimpse at your ability to organize a company, an ability prized by investors.
- ▶ **Statement of Purpose**—Outline your company's goals, objectives, strategies and factors critical to its success.
- ▶ **Industry Analysis**—Assume that the reader knows nothing about your industry. Explain it with a minimum of technical jargon.
- ▶ **Market Analysis**—Outline your specific area of expertise, profit opportunities, sales potential and market trends.
- ▶ **Business Background**—Describe the venture's history and current status. In-

clude profiles of all principals and key personnel. Describe what they bring to the business that will ensure success.

- ▶ **Competitive Advantage**—Explain the factors that make your business unique and desirable.
- ▶ **Organizational Plan**—Outline projected staffing needs and employee responsibilities. Include an organizational chart and an overview of purchasing and production planning.
- ▶ **Operational Plan**—An explanation of the production process is particularly important for manufacturing operations. Include equipment, work policies and procedures.
- ▶ **Marketing Plan**—Outline your market strategy, targets and budget. Include a detailed product and service description, market profile, promotional and pricing strategies, distribution channels, business location, competitive analysis and critical success factors.
- ▶ **Funding Needs**—Outline the financing you are seeking and how it will be used.
- ▶ **Financial Statements**—Consultants recommend five years' worth of projected balance sheets, income statements and monthly cash flow. Include historical financial information such as sales figures, staff additions, payroll expenses, capital additions, depreciation expense, debt amortization, accounts receivable, accounts payable and material flow.

of financing, notes Joanne Berg, a CPA in Encinitas, California. Family and friends are another common source of seed capital. However, she cautions, "Don't expect relatives to invest or lend and then keep out of the business entirely."

Such home-grown financing is often combined with a Small Business Administration loan, typically in the \$100,000 to \$150,000 range, Berg adds. "Generally, an SBA startup loan will require full collateralization with real estate or other assets." Other more specialized SBA loans may not require collateral and, in some states, such as California, state-funded loan-guarantee programs can help entrepreneurs launch their businesses. (For more on SBA loans, see Working From Home Forum, GO WORK, Library 2, "Business Information.")

Many would-be entrepreneurs don't realize that they will need to put personal funds at risk to attract additional debt or equity financing, Berg notes. The SBA, for example, typically requires entrepreneurs to fund 30 percent of the startup out of their own pockets. That means that the initial capital business owners bring to the table will sometimes limit the company's growth, at least at

first, she explains. "This is something many people overlook."

Real difficulties in obtaining financing are compounded by problems many entrepreneurs create for themselves. Fundseekers don't realize the irony of putting 0 percent to 5-10 percent of their own money into the project, while the investors ante up 90 percent or more, and then complaining that the investors want to control their project.

"I don't think anyone can blame an investor who has significant capital tied up in a project for wanting to be able to have some control should things start to go significantly wrong," Christante says. "The key is to negotiate a schedule whereby, as the funds are repaid, more and more equity returns to the fundseeker."

No matter how good the product, how useful the service or how brilliant the idea, without the skills, organization, financing and planning to get your business going and keep it moving, the odds of success in business are slim, notes Thom Hartmann, sysop of the Desktop Publishing Forum (GO DTPFORUM) and owner of The Newsletter Factory in Roswell, Georgia. "I've been as-

tounded over the years by the number of 'million-dollar ideas' people have come to me with ... for products that they themselves wouldn't buy. 'The average person would love this,' they'll say, 'although I don't really need one.' Too often, entrepreneurs are so carried away with their bright ideas that they forget to examine them in the light of reality. Before taking your idea to an investor, Hartmann advises, "Try pre-selling it to a few people and get their reactions."

Hartmann uses the Desktop Publishing Forum message sections to get feedback and advice and the forum's libraries as resources. "The marketing and financial information they contain can be generalized to any business," he adds.

According to Kuhns, another common mistake entrepreneurs make is forgetting that they have to pay themselves. "If you can't borrow or have enough money to open, operate and pay yourself a salary—then don't do it," he warns. "No matter how good your idea is, you cannot forget your own wallet."

*Susan N. Futterman, a free-lance writer and communications consultant in Southern California, is a former financial journalist and stockbroker. Her CompuServe User ID number is 72040,452.*

## PERSONAL ENTERPRISE



# Backed Track: Financing Files and Resources

Forum files and databases such as Magazine Database Plus and Business Database Plus provide a wealth of information that can help you research and find financing. Here are a few:

## DESKTOP PUBLISHING FORUM (GO DTPFORUM)

**Structured Framework**—Includes templates for developing business plans. Library 15, "Marketing," BIZPLA.SIT (244,992 bytes).

## ENTREPRENEUR'S SMALL-BUSINESS FORUM (GO USEN)

**Business Plan Master 2.7**—Templates for creating a complete business plan. Library 10, "Business Software," BUSPLA.ZIP (235,283 bytes).

**Macintosh Business Plan**—Templates for developing business plans. Library 10, BUSPLA.SIT (173,756 bytes).

**Business Architect™**—Assess and plan a successful business. Library 10, BUSARC.ZIP (175,574 bytes).

**Preparation and Presentation**—Document aids in writing business plan. Library 10, PLAN.TXT (6,186 bytes).

**Cashflow Forecaster**—Forecasts business cashflow over a three-year period. Library 10, CASHFL.ZIP (57,085 bytes).

## WORKING FROM HOME FORUM (GO WORK)

**Bulletin Boards**—List of 800 numbers for Small Business Association's On-Line information service. Library 2, "Business Information," SBABBS.TXT (7,146 bytes).

**SBA Reps**—Lists commercial market representatives. Library 2, SBACMR.DOC (4,019 bytes).

**Programs Funded by SBA**—SBA-funded programs for Microloans in 1992. Library 2, MICROL.LST (5,198 bytes).

**SBA Loan Analyzer**—Analyzes your loan prospects. Library 2, SBALON.ZIP (124,856 bytes).

**Packaging an SBA Loan**—Information on SBA loans and business plans. Library 2, SBAHLP (3,366 bytes).

**Business Plans**—Forum thread on business plans in the information brokerage business. Library 4, "Information Professionals," BIZPLN.ASC (6,510 bytes).

## BUSINESS DATABASE PLUS (GO BUSDP)

"Bids to Boost Small-Business Funding Abound; Risks Do, Too," *The Business Journal-Milwaukee*, May 15, 1993. Reference #A14190230.

"Cashing in on Small Business Loans," *Financial World*, April 27, 1993. Reference #A13624064.

"Emerging Growth Companies Fly Toward New Era," *San Francisco Business Times*, Feb. 19, 1993. Reference #A13598853.

"Angels and Adventurers Cross Path of Capital Seekers," *San Diego Business Journal*, Feb. 15, 1993. Reference #A13598377.

"Preparing your Financing Proposal—To Get That Cash," *CMA—The Management Accounting Magazine*, February 1993. Reference #A14038230.

"How to Finance Anything," *Inc.*, February 1993. Reference #A13392359.

"Seed Funds for the Smallest Start-Ups," *Nation's Business*, October 1992. Reference #A12702113.

"Solid Plan Best Weapon for Venture-Capital Hunt," *The Financial Post*, April 18, 1992. Reference #A12526504.

## MAGAZINE DATABASE PLUS (GO MAGDB)

"What the VC Crowd Wants Now," *Inc.*, August 1993. Reference #A14163518.


"Nothing Ventured, Nothing Gained," *Nation's Business*, June 1993. Reference #A13822404.

"Tapping Your Product's Fans," *Inc.*, May 1993. Reference #A13704666.

"On the Horizon: More Investment in Women," *Nation's Business*, May 1993. Reference #A13801953.

"Cashing in on Small Business Loans," *Financial World*, April 27, 1993. Reference #A13624064.

"Earning Back Your Equity," *Inc.*, March 1993. Reference #A13510951.

"Have Capital, Will Flourish: Black Entrepreneurs," *The Economist*, Feb. 27, 1993. Reference #A13512243. 

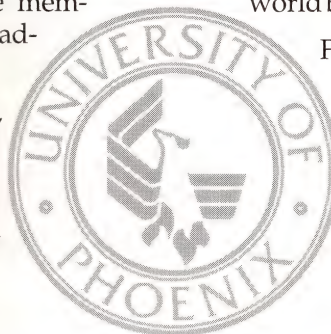
## EXECUTIVE DEGREE PROGRAMS IN BUSINESS FOR BUSINESS PEOPLE ON THE MOVE

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# Credit Where Credit Is Due

## ► Before extending a credit line to clients, certain checks may be in order.

Extending credit to suppliers and customers can be a boon or a bane to the growth of a small business. One way to help protect your company's financial stake in a competitive marketplace that thrives on credit is to first determine the creditworthiness of your suppliers and customers.

Although you can do financial background research yourself through phone calls and letters, this process is time-consuming. If you need the information in minutes to make a speedy credit decision, TRW Business Profiles (GO TRWREPORT) can supply it.

TRW is one of the premier U.S. credit reporting companies. While some smaller firms get their credit information directly from the companies they are reporting on, making the objectivity of that data questionable, TRW gets its information almost exclusively through third-party sources. TRW's primary source is the accounts-receivables files of other companies. When a company subscribes to TRW for credit reports, TRW requests in return that the company share its accounts-receivables information so it can keep current on how well millions of companies pay their bills.

TRW does not typically contact subject companies for information, but if data is obtained this way, it is clearly marked as such on the credit report. Bankruptcy information is obtained from the U.S. court system within three days of the original filing. Tax liens are noted in the file within two to five weeks, depending on where the company is located geographically.

Making sure credit reports are accurate is a top priority. "We do as much as we can to verify that the information we're getting is factual and correct," says Tim Dolan, manager of marketing communications for TRW Business Services in Orange, California.

So what's the bottom line? At \$34 for a TRW credit report plus the \$9 search charge, a small business should have a strategy to make the use of credit reports cost-effective.

After 30 years of running his own company, CompuServe member James Wettstein, chief executive officer of an East Coast tooling manufacturing and distribution firm, advises other small businesses to create

what he calls an "average invoice value threshold." For him, that number is \$1,000. That is, if an invoice is for more than \$1,000, purchasing a credit report is worth the cost.

"It's basic economics," he says, noting that your company's profit margin must be figured first to determine the average invoice value threshold. "If you have a high profit margin, then it's worth pulling a report on lower invoice values. For most of us working in mature industries, margins are tight, and you have to justify every expense."

TRW's Dolan agrees that there is a break-even point, but he also suggests that point may depend on the volume of transactions as well as the invoice amount. In some businesses, especially telecommunications, the average invoice may be well under \$1,000, but the volume is high enough to warrant a

account in a couple of hours, you could lose it to a competitor," warns Dolan. "The competitive nature of the marketplace often requires an immediate answer. Since TRW Business

Profiles is online, you can get the information you need when you need it to make a fast decision."

Fast or not, that decision needs to be based on financial facts. Credit reports offer those facts and will tell you whether a prospective client or supplier has the money to pay up when the invoice comes due.

Avery Russell, a Washington, D.C., area video producer, credits TRW with saving him from a major loss of several thousand dollars. His once-booming video business has felt the effects of a slowed economy, and he has started searching for other clients outside his niche market of instructional video work.

Although this marketing technique provides him with more work, he usually knows little about the companies that hire him.

One job prospect that came his way seemed promising on the surface, but a check on its credit report through TRW told Russell otherwise. "I learned the company was doing business in areas in which I wasn't comfortable. It also had financial and legal problems," he explains.

Russell says the cost of the credit report is well worth it. In the 11 years he has been in business, he has lost about \$60,000 from companies that wouldn't pay their bills. "A credit report is a guide, a tool. Use it along with good common sense to make a decision about granting credit to a customer," he advises other entrepreneurs, noting the reports allow him to be more aware of a company's inner workings.

Another value of a credit report is that it allows an entrepreneur to understand whether a potential customer with the ability to pay is willing to make that payment. "A company's willingness to pay its bills is just as important as its ability," says Dolan. TRW credit reports provide extensive information on a company's trade payment nature, which will offer clues as to its willingness to pay its bills on time. Although some companies may do well financially, the credit report will tell when they are paying their suppliers. For instance, they may pay certain companies or industries later than others, and this may affect how you establish

## PERSONAL ENTERPRISE

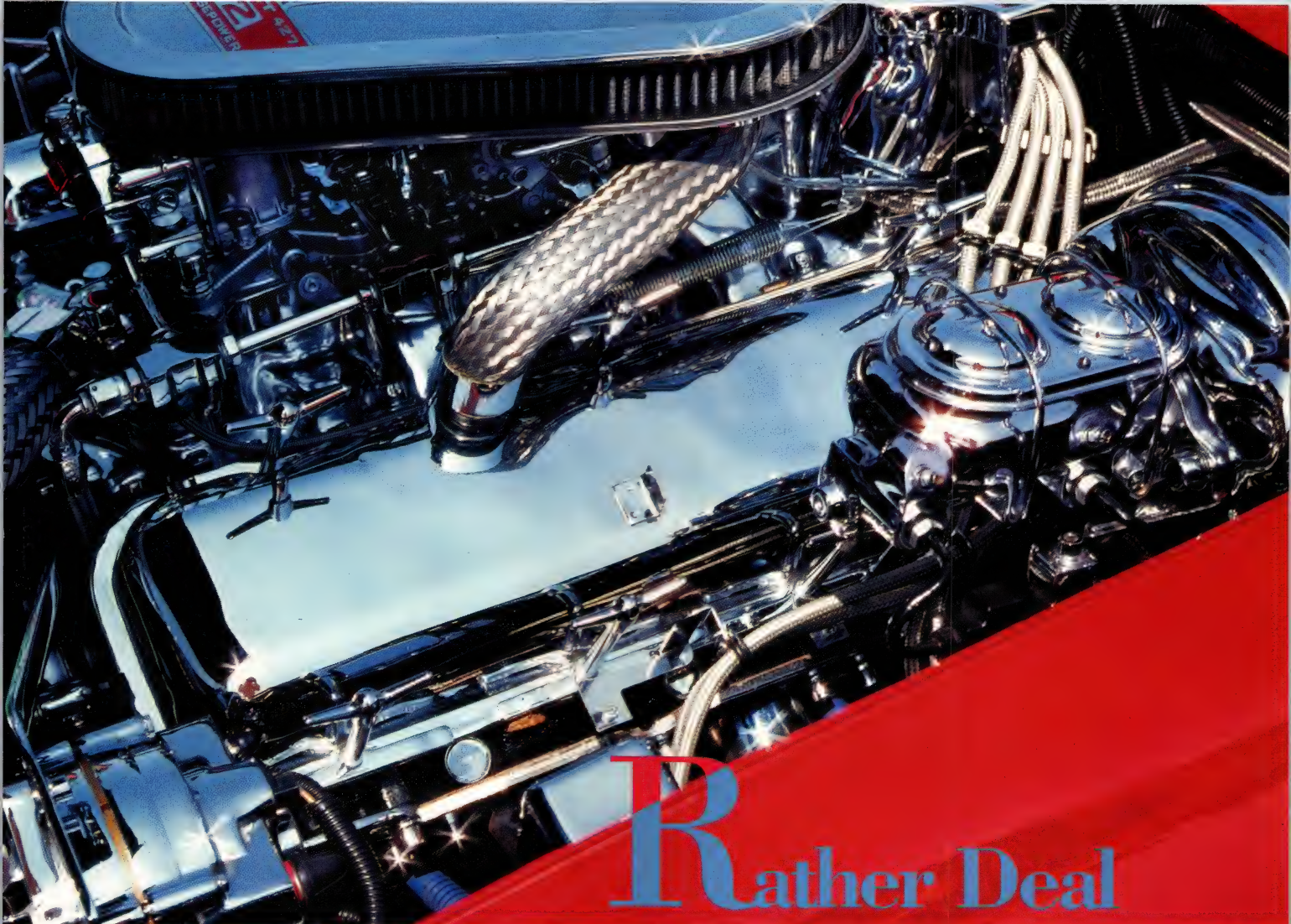


credit report.

"This break-even point will vary from business to business," he says, acknowledging that for very low transaction amounts, it will be more cost-effective to do basic checking by phone or letter to establish the viability of an account.

However, such research can take days and hinder your ability to effectively approve an account for credit. "If you can't approve an





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# TRW Tips: Using the Profile Service

TRW Business Profiles offers information on more than 13 million organizations and actual account information for more than 70 million business account relationships.

To retrieve a report, GO TRWREPORT and select menu Option 5, "Access TRW Business Profiles." From the second menu, choose Option 6, "Begin a Search."

You can search by company name and either its state or ZIP code. Since the payment history for an organization may be different for individual branches or locations, this geographic information is important for finding the company you want. If no company name exactly matches the one you entered, the database will typically retrieve and display up to 24 companies with similar names. If you enter a ZIP code, companies from adjacent ZIP areas may also be retrieved.

When the search is completed, you will be shown headings for up to 24 companies that match the entered search criteria, as well as a menu of possible actions. Note the heading numbers of interest, as this is how you will request credit reports on those companies. You may choose to see the full report for up to five of the companies listed in the headings. If you want to see more than five reports from this group of 24 companies, you must re-enter the search, which results in additional charges.

The information offered in the credit report includes the company's credit history, financial information and ratios, key business facts, UCC filings, tax liens, judgments, bankruptcies and an executive summary. However, not every report contains all of this information.

The Executive Summary tells you the days beyond term and offers a prediction for the probability of future payments, as well as a comparison to other industries. The Historical Payment Guide offers a six-month account balance range, the amount of the highest credit the firm has ever extended, payment trend indications, as well as significant public record data.

Trade Payment Information tells you the business category to which the company owes money, the payment terms, the credit amount, balance and days past due. This trade lines section is likely to be of the most value, depending on your research needs. Payment Trends are presented over a six-month period, and a Payment History is offered over a five-quarter range, enabling you to draw conclusions about a firm's overall creditworthiness in the short- and long-term.

Extensive online help is available. Type H wherever the system indicates "H for Help." For one-on-one, real-time assistance from an online research specialist who can answer your questions, help you create a search strategy or help you interpret the results you obtained, type SOS at any menu displayed after you select "Access TRW Business Profiles."

In addition to regular CompuServe connect-time charges, the search cost for TRW Business Profiles, which yields a menu of up to 24 company locations, is \$9. The first full report selected from this list is \$34; up to four more full reports from this original list are \$9 each. There is a \$1 charge for a search that retrieves no companies.

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TRW Business Profiles offers two sections that analyze payment trends over a six-month period and a five-quarter segment, including information on days beyond term, the average number of days they are late in paying suppliers and how well they compare with others in their industry. If you see the number of late payments or days late increasing, you'll know the average payment cycle is slowing. You'll also be able to determine if this is an industry trend or affecting only a particular company. "This information will help a small business understand what they are getting into when they extend credit to a customer or a supplier," says Dolan.

Small businesses are the backbone of the U.S. economy. Although there is much lip service from the government and others trying to help entrepreneurs thrive so they can create more jobs, the reality is that many small businesses have trouble getting the credit they need from banks and suppliers in order to stay in business.

"The tighter your own cash flow, the closer you have to scrutinize your company's own credit policies," says Dolan. "That means a tight balance on the back end and the front end."

TRW Business Profiles gives entrepreneurs an opportunity to understand where the good, as well as the risky, business opportunities lie. 

Cathryn Conroy is senior writer of CompuServe Magazine and book review editor of Online Today. Her CompuServe User ID number is 70007,417.



# CompuServe Directory

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Here is your CompuServe Directory, a concise listing and description of CompuServe's online services. CompuServe is the world's most comprehensive network of people with personal computers. To make it easy for you to access the thousands of CompuServe services, we've listed them alphabetically and grouped them under major categories. Access services quickly by selecting GO from the Services pull down menu and typing in the Quick Reference Word that is part of each Directory entry.

At CompuServe, we are constantly expanding our services by adding new information and updating existing services.

Use this Directory as your guide, and you'll find that CompuServe is the service you won't outgrow.

### Codes Used In the Directory

CompuServe basic services\* have no symbol next to them on menus, making them easy to identify. Extended services, which are available at an hourly rate, have a "+" next to them. Premium services, which have an hourly rate and a surcharge, have a "\$" next to them on menus. Executive Option services, which have an hourly rate and sometimes a surcharge and are accessible only through an Executive Option membership, have an "E" or a "\$E" next to them. GO EXECUTIVE to learn more about the Executive Option Service.

Here's a handy chart to help define CompuServe product categories:

Type of Service	Cost	Symbol	Example
Basic*	\$8.95/mo.	none	Academic American Encyclopedia
Extended	hourly	+	IBMNEW +
Premium	hourly/surcharge	\$	Quotes \$
Executive w/surcharge	hourly/surcharge/membership	\$E	Disclosure \$E

Note: When selecting a CompuServe service with the "+" symbol, hourly pricing begins with the next screen.

\*For more information on basic services see the last page of this directory.

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# Membership Support Services

This section helps you find your way around the CompuServe Information Service. It provides information such as billing, logging on, ordering and service agreement terms. All of the options in this section are free from connect charges. To access the menu from which you can select any of the items in this section, select GO from the Services pulldown menu and enter HELP.

## Ask Customer Service QUESTIONS

Customer Service makes it easy to get the help you need whenever you need it. When a question comes up while you're online, visit Customer Service. Customer Service provides a list of commonly asked questions about CompuServe and their answers. Questions are answered on such topics as CompuServe Mail, billing, forums, logon, CB and CompuServe software. Customer Service is continually updating the Questions and Answers database to keep up with the growing Information Service. The CompuServe Help Forum (GO HELPFORUM) is available to help you learn how to use CompuServe without incurring unnecessary expenses. When you can't find the assistance you need in users guides or online, let Customer Service answer your individual questions. Customer Service Representatives help solve any problems you may encounter and encourage your comments. Select the option for FEEDBACK to visit the Feedback area and send questions, comments or suggestions to CompuServe.

If you have a question or problem that requires immediate attention, a Customer Service Representative can help you. Representatives in the U.S. are available from 8 A.M. to midnight, Monday through Friday and from noon to 10 P.M. on weekends, Eastern Time. Representatives in other countries are available during local business hours. Holiday hours vary. The chart below lists phone numbers for various countries.

Recorded support is available around the clock through the Customer Service phone system. Using a touch tone phone you can find assistance with file transfers and CompuServe Mail, phone numbers, rates and more.

Country	Toll-Free	Direct
Argentina		(+54) (1) 345-3871
Australia	008 025 240	(+61) (2) 410-4260
Canada		(+1) (614) 529-1340
Chile		(+56) (2) 696-8807
France	36-63-81-31	(+33) (1) 47-14-21-60
Germany	0130 86 46 43	(+49) (89) 66 535-222
Hong Kong		(+852) 867-0102
Hungary		(+36) (1) 156-5366
Israel		(+972) (3) 290466
Japan	0120 22 1200	(+81) (3) 5471-5806
New Zealand	0800 446 113	(+61) (2) 410-4260
South Korea	080 022 7400	(+82) (2) 411-1327
Switzerland	155 31 79	(+49) (89) 66 535-222
Taiwan	080 251 009	(+866) (2) 651-6899
United Kingdom	0800 289458	(+44) (272) 760680
United States	800-848-8990	(+1) (614) 529-1340
Venezuela		(+58) (2) 793-2984
Other Locations		(+1) (614) 529-1340

## Billing Information BILLING

View your charges or look up current rates in this service area. (Charges take 24-48 hours to process.) You will find explanations of the available billing options and your personal billing information, including the amount owed, for the last several weeks. You can also change your billing option, change your billing address or select the Executive Service Option. A section explains the various billing options available to CompuServe members including VISA, MasterCard, American Express/Optima, Discover, Diner's Club, Direct Debit and Business Account.

## Change Equipment/Display Profile TERMINAL

This powerful area enables you to change your terminal type, your settings (such as line length, parity and output delays) your language preference and your first logon action. In addition, you can build your own personal menu of products that will display at logon.

## Change Your Billing Address ADDRESS

Use this choice to change your billing address and phone number.

## Change Your Billing Method BILOPT

You can change your billing option from Direct Debit to credit card, from credit card to Direct Debit or from one credit card to another. Direct Debit members can change their checking account information. If your card has been recently renewed and you need to enter the new expiration date, you can use this option to do so. You can also find information about converting your account to a business account.

## Change Your Password PASSWORD

This option enables you to change your password.

## Command Summary/How To Use COMMAND

Command Summary explains the commands that can be used in the CompuServe Information Service and how to use them. It explains the menus, control characters and communication standards. It also lists access telephone numbers and gives access to billing information.

## CompuServe Help Forum HELPFORUM

Learn how to use CompuServe and to interact with its various products without incurring unnecessary expenses. Access the CompuServe Help Forum for assistance in using CompuServe's reference, news and financial services, as well as games and CompuServe Mail. Also, get answers to your questions about pricing plans, surcharges and online symbols.

## CompuServe Information Service Software CISSOFT

CompuServe offers its members information and support for CompuServe Information Manager (DOS, Mac and Windows versions) and CompuServe Navigator (Mac and Windows versions) communication programs, which simplify the use of CompuServe. Here you can download the latest versions or upgrades to CIM and NAV and learn about each product's special features, equipment requirements and upgrade information. Receive prompt answers to your questions through forums that are available for each product.

## CompuServe Magazine Advertisers Online Inquiry OLI

Request general information about an ad displayed in *CompuServe Magazine* and order product literature directly from advertisers.

## CompuServe Pricing Plans CHOICES

Have questions about your options for CompuServe pricing plans? You can probably find the answers with CHOICES. Here you can learn about both of CompuServe's plans, the Standard plan and the Alternative plan, you can join a plan or change plans. CHOICES also answers commonly asked questions about the plans, enables you to discover which one is right for you and provides access to the CompuServe Help Forum.

## Current Rates RATES

This section lists the current fees associated with CompuServe use and the billing options available to members.

## DOSCIM Support Forum CIMSUP

If you use or are considering using The CompuServe Information Manager™ (CIM) for DOS, join the DOSCIM Support Forum. Operated by CompuServe Incorporated, this forum provides information about CIM's powerful interface that allows you to use all of CompuServe's online features such as forums, CB, news and reference products, financial databases and quotes and CompuServe Mail. Find answers to your questions about installation, required hardware, terminal emulation and general use of CIM. GO WCIMSUP for information about CIM for Windows, or GO MCIMSUP for information about CIM for the Macintosh.

## Executive Service Option EXECUTIVE

CompuServe's Executive Service Option enables you to access additional value-added services, purchase many CompuServe products at a discount, and increase your online storage capabilities, including increasing the storage period from 30 days to six months. Members with the Executive Service Option also receive volume discounts on information retrieval from selected transaction price financial databases. The option provides access to exclusive databases including Ticker Retrieval, DISCLOSURE II, Executive News Service, SuperSite, Institutional Broker's Estimate System, Securities Screening, Return Analysis and Company Screening. Those members whose accounts carry the Executive Service Option also receive direct marketing offers from many of CompuServe's affiliated merchants and manufacturers. Online services provided with the Executive Service Option are marked with an (E) on menus.

## Feedback to CompuServe FEEDBACK

Feedback enables you to send your question, comment or suggestion to CompuServe. A Customer Service Representative will respond via CompuServe Mail as quickly as possible.





### Find a Topic INDEX

You can select Find from the Services menu to find a topic or GO INDEX. In INDEX, if you enter a topic such as food or sports, you are given a menu list of related CompuServe products and their Quick Reference Words or page numbers. Enter page number or use the GO command with the Quick Reference Word to quickly go to the product. You can also get an alphabetical listing of all CompuServe products and their Quick Reference Words.

### General Billing Information BILINF

This section provides detailed information about your charges and ways to inquire about them. It tells you how to submit error correction requests to CompuServe. It also tells you how to avoid unauthorized use of your account and what to do if you suspect unauthorized use.

### MacCIM Support Forum MCIMSUP

If you use or are considering using CompuServe Information Manager™ (CIM) for your Macintosh, join the MacCIM Support Forum. Operated by CompuServe Incorporated, this forum provides information about CIM's powerful interface for the Macintosh that allows you to use all of CompuServe's online features such as forums, CB, news and reference products, financial databases and quotes and CompuServe Mail. Find answers to your questions about installation, required hardware, terminal emulation and general use of CIM. GO CIMSUP for information about CIM for the PC, or GO WCIMSUP for information about CIM for Windows.

### Member Recommendation Program FRIEND

The Member Recommendation Program enables you to earn online usage credit for introducing friends to CompuServe. Information is provided on the program and on any additional offers or contests available for winning online usage credit for member referrals.

### Membership Changes MEMBER

This section enables you to change your billing name and address information for mailings. Add or remove your name from various mailing lists associated with the CompuServe Information Service, including the *CompuServe Magazine* member list, CompuServe special mailings list, and a list made available to vendors. Add your name to the online membership directory. Also change your password or billing

option and notify CompuServe of your change of address or if you must cancel your membership. More information on these areas can be found in the *Users Guide*.

### Membership Directory DIRECTORY

This directory enables you to search for other members around the world by name. All members are included in the Membership Directory, unless they specifically request exclusion. Now you can obtain the User ID number of other members and easily communicate with them via CompuServe Mail or through our other online communication services.

### Navigator Support Forum NAVSUP

Prospective and current users of CompuServe's Navigator, a Macintosh software program that helps members make the most of their online connect time, can find the latest information on the program in the Navigator Support Forum. Find answers to your questions about installation, session parameters, hardware required, Navigator interfaces and Navigator patches.

### Order From the CompuServe Store ORDER

Access CompuServe's online ordering service and place your order by selecting from CompuServe's many exciting products — users guides, communication software, game maps and more. You can check on an existing order's status and change an order before it is filled.

### Reviewing Your Charges/Usage CHARGES

Review your billing history, or review your usage activities from the past 12 weeks. See for yourself when your payment is posted, which services you used that generated a surcharge, credits applied and your account balance. You can find explanations of each billing option's billing process. A hard copy of your usage details can be mailed to you for a fee.

### Rules of Operation/Copyright RULES

This section offers a complete description of the CompuServe service agreement terms. They are designed to protect the data and communications offered by CompuServe information providers and customers and make online usage a positive experience for everyone. The Operating Rules cover copyright policy including com-

monly asked questions about copyright and ownership of material, particularly as they relate to public domain information and shareware programs.

### Specials/Contests SPECIALS

Something new is always happening at CompuServe. Here you can learn where you can win prizes, who is offering free connect time or discounts, and what extra-special events are being held.

### Telephone Access Numbers PHONES

This section gives information related to accessing CompuServe including telephone access numbers, node abbreviations and communication surcharge information. Specific instructions are also available for logging on using the CompuServe, TYMNET, Sprintnet (Telenet), Datapac, LATA and INFONET communications networks and more. You can also get a local access number by dialing 1-800-FINDCIS (1-800-346-3247) via modem and typing PHONES at the HOST NAME: prompt.

### Tour TOUR

The CompuServe Guided Tour takes you on a quick trip through the Service, giving you an overview of what's available in each of the General Services categories. After each section you have the option of continuing on the Tour or learning more about that section.

### What's New This Week NEW

What's New is a weekly column that announces new products on CompuServe and describes new and updated services. It includes news from the Electronic Mall, forum conference schedules, CompuServe community news and *Online Today Daily Edition*.

### WinCIM Support Forum WCIMSUP

If you use or are considering using the CompuServe Information Manager for Windows — WinCIM — join the WinCIM Support Forum. Operated by CompuServe Incorporated, this forum provides information about WinCIM's powerful interface that allows you to use all of CompuServe's online features such as forums, CB, news and reference products, financial databases and quotes, and CompuServe Mail. Find answers to your questions about installation, required hardware, terminal emulation and general use of WinCIM. GO CIMSUP for information about CIM for the PC, or GO MCIMSUP for information about CIM for the Macintosh.

### Related Topics

#### Communications

CompuServe Mail MAIL  
CompuServe Mail Hub MHS or MHSADM  
The Convention Center CONVENTION  
Directory of Members DIRECTORY  
Forums (SIGS) FORUMS  
Participate PARTI

#### Computers and Software Support

Online Today OLT  
Personal File Area PER



# European Services

CompuServe provides its European members with the same high quality service for which CompuServe is renowned in the United States. This section contains the services which are specifically directed towards European members or which lead to such services. The services listed in this section are fully described in the other corresponding sections of this Directory.

## Related Topics

### Computers and Software Support

Borland GmbH Forum BORGER  
CA-Clipper Germany Forum CLIPGER  
CA Micro Germany Forum CAMICRO  
Computer Shopper (UK) Forum UKSHOPPER  
Deutsches Computer Forum GERNET  
Dr. Neuhaus Forum NEUHAUS  
ELSA Forum ELSA  
European Forum EURFORUM  
Federation of International  
Distributors Forum FEDERATION  
Hardware Forums HARDWARE  
Lotus GmbH Forum LOTGER  
Markt & Technik MUTFORUM  
Microsoft Benelux MSBENELUX  
Microsoft Benelux Developers Forum MSBDF  
Microsoft Central Europe Forum MSCE  
Microsoft Central Europe System Forum MSCSYSTEM  
Microsoft France MSFRANCE  
Microsoft Italy MSITALY  
Microsoft Spain/Latin America MSSPAIN  
Microsoft Sweden MSSWEDEN  
PC Magazine UK Online PCUKONLINE  
PC Magazine UK Forum PCUKFORUM  
PC Plus/PC Answers Forum PCPFORUM  
PC Plus/PC Answers Online PCPLUS  
Prisma GmbH Forum PRISMA  
Software Forums SOFTWARE  
Toshiba GmbH Forum TOSHGER  
UK Computer Shopper Forum UKSHOPPER  
UK Computing Forum UKCOMP

UK Shareware Forum UKSHARE  
VNU BPA Forum VNUBPA  
VNU NL Online VNUNL  
Ziff Windows Deutschland Forum GERWIN

### Investing and Finance

European Company Library EUROLIB  
German Company Library GERLIB  
Global Report GLOREP  
MMS International Financial Reports MMS  
UK Company Library UKLIB  
UK Historical Stock Quotes UKPRICE  
UK Issue Lookup SEDOL

### News, Weather, Sports

DPA News Headline Service DPANEWS  
UK News Clips UKNEWS  
UK Newspaper Library UKPAPERS  
UK Sports Clips UKSPORTS  
UK Weather UKWEATHER

### Professional Interests

The European Community Telework Forum ECTF

### Reference Library

British Trade Marks UKTRADEMARK  
UK Marketing Library UKMARKETING

### Special Interest Groups (Forums)

Foreign Language Forum FLEFO

### Travel

Travel Britain Online TBOonline  
UK Forum UKFORUM





# Communications

This section contains information on products that enable you to communicate with other CompuServe members. You can use CompuServe Mail to send messages to specific people, forums to participate in discussions on specific topics, CB to type in real-time with other CompuServe members around the world, and the CompuServe Classifieds to post ads. However you choose to communicate, there are opportunities for you to get answers to your questions, make new friends and exchange ideas.

## CB Simulator CB

CompuServe's CB Simulator is an electronic conferencing program. It's a little like CB radio, except that you use a computer or terminal and, instead of speaking into a microphone, you type at a keyboard. Your reach isn't limited to a few miles, either. You can converse with other people all around the world. +

## CB General Band CB-1

The General Band hosts 36 channels for communications of general interest subjects such as a welcome to CompuServe CB, poetry reading, hospitality suite and a teen talk. If you are new to the world of CB, visit the Newcomer channel, Channel 2. There you will find CB helpers available between 6 P.M. and 2 A.M. Eastern Time (11 P.M. and 7 A.M. GMT). +

## CB Adult Band CB-2

Access the Adult Band and participate in any of the channels hosting adult-related discussions such as gender alternatives and alternative lifestyles. If you are new to CB on CompuServe, access the General Band (GO CB-1) Channel 2 for help and information. The adult band is only for members 18 years and older. +

## CB Club CBCLUB

Special pricing is available for members who use CB frequently. +

## CB Forum CBFORUM

The CB Forum consists of a bulletin board and member and data libraries. There are sections for CB party information, teen talk, new CBers, tech talk, etc. +

## CB Profiles CBPROFILES

Learn more about your friends on CB by checking the CB Profiles. Your CB Profile contains your handle (reserved handle if you are a CB Club member), User ID, age, city and state, the computer you are using, occupation and interests. Once your CB Profile is installed in the database, it is available for others to read whenever you are on CB. +

## CB Society — Cupcake's Column CUPCAKE

Cupcake is our resident CB columnist. Here's where you can get the scoop on the latest party, who's engaged, who's new and what's happening. +

## CompuServe Classifieds CLASSIFIEDS

Want to sell your boat, car or old computer? Are you looking for a new job, condo or something special? Then browse through CompuServe's Classified ads to find what you are seeking. Or post an ad to sell your unwanted treasures. CompuServe's Classifieds is just like the classified section in most newspapers, only national in scope. There is a surcharge for posting an ad but not for browsing.

## CompuServe Mail MAIL

CompuServe Mail is CompuServe's electronic mail service. It gives you the opportunity to communicate not only with any CompuServe Information Service member, but also with most Internet (a group of university and government networks), MCI Mail, AT&T Mail 400, Western Union 400, Deutsche Bundespost, Infonet, Sprint Mail, NetWare MHS Local Area Network or stand-alone users. You can also communicate with persons around the world with a postal address, Group 3 fax machine (must be available via direct dial) and any telex machine.

When you send faxes or telexes, you'll get notification on whether the message could be delivered and the time of delivery. You can also send all types of files through CompuServe Mail. Besides text messages, you can upload and send binary files, such as spreadsheets, graphics, worksheets and wordprocessor documents in their native format to any CompuServe member. You also have the ability to download any of your mail messages and file them.

If you send a "receipt requested" message, you will find a notification in your mailbox when the message has been retrieved by the recipient. CompuServe Mail has an electronic address book to store the names and mailing addresses of the people to whom you send messages. For information on CompuServe Mail prices, GO MAILRATES. For help using CompuServe Mail, GO MAILHELP.

## CompuServe Mail Hub MHS or MHSADM

The CompuServe Mail Hub is a global message exchange facility which gives NetWare MHS users (either on Local Area Networks or on stand-alones) the ability to communicate with each other without having to dial each individual MHS site directly. The hub links people who use LAN e-mail packages such as Beyond, DaVinci, ExpressIt!, MailMAN, Notework, Powercore and Team. The hub also allows the exchange of messages with any CompuServe member, and with other connections such as Fax, Internet, AT&T Mail 400, MCI Mail, Western Union 400, Deutsche Bundespost and Sprint Mail. To register your MHS network, GO MHS. +

## CONGRESSgrams CONGRESS

If you want to send your opinions or views to members of the United States Congress or to the President or Vice President of the United States, use the CONGRESSgram feature of CompuServe Mail. Your letter is printed on paper, placed in an envelope and mailed to your recipient who usually receives it the next day. You can also use the Congressional database to look up information about any United States Congressman. Each listing includes committee assignments, hometown, party affiliation and phone number. \$

## The Convention Center CONVENTION

The Electronic Convention Center is a special meeting place to conduct live conferences of up to 300 people. You can view information on scheduled conferences and decide if you would like to attend. Information about each conference is displayed: general description, conference type, date and time, expected length and whether a reservation is required. A reservation, if needed, can be made at that time. +

## Directory of Members DIRECTORY

This directory enables you to search for other members by name. All members are included in the Directory of Members, unless they specifically request exclusion. Now you can obtain the User ID numbers of other members and easily communicate with them via CompuServe Mail or through our other online communication services.

## Forums (SIGs) FORUMS

Forums are places where people of similar interests can exchange information, participate in discussions in real-time conferences or share software programs. There are three types of forums:

- ▶ Computer forums where you will find experts to solve problems or exchange technical ideas about computers.
- ▶ Professional forums geared to specific professions like medicine or law.
- ▶ General interest forums where people with similar interests or hobbies exchange ideas or information.

All forums have a similar structure and use the same commands. They are run by one or more Forum Administrators (SysOps — system operators) who are in charge of the forum and have some expertise in the subject matter of the forum. Most forums prefer that you use your full name, and they do not tolerate disruptive behavior. There are three main areas of a forum:

- ▶ A message board containing hundreds of messages placed there by members.
- ▶ A library containing text files and software programs, transcripts of conferences and essays.
- ▶ A conference mode where members get together for real-time conferences. Conference mode is similar to the CB Simulator.

For more information on forums and how to use forum commands, see the *Users Guide* or stop by the Practice Forum (GO PRACTICE).

## Participate® PARTI

Want to start your own ad hoc group discussion about a particular topic? Then GO PARTI to access Participate, a member-controlled messaging system where you lead the discussion and choose the participants. The command structure for Participate is unique, so be sure to read the available online help files. +

## Related Topics

### Membership Support Services

Ask Customer Service QUESTIONS  
CompuServe Help Forum HELPFORUM  
Feedback to CompuServe FEEDBACK  
Free Practice Forum PRACTICE  
Member Recommendation Program FRIEND  
Membership Directory DIRECTORY  
Specials/Contests SPECIALS  
Telephone Access Numbers PHONES

### Computers and Software Support

Hardware Forums HARDWARE  
Software Forums SOFTWARE

### Electronic Mail/Shopping

The Electronic Mail MALL  
— See Computing and Merchandise/Electronics

### Investing and Finance

Error-Free File Transfer FILTRN

### Personal Interests and Hobbies

HamNet (Ham Radio) Forum HAMNET

### Professional Interests

Broadcast Professional Forum BPFORUM

### Reference Library

Biz\*File BIZFILE  
Commerce Business Daily COMBUS  
Government Information GOVERNMENT  
Phone\*File PHONEFILE  
US-State-County Reports USSTCN

### Special Interest Groups — Forums

Consumer Electronics Forum CEFORUM  
Issues Forum ISSUES  
Space/Astronomy Forums SPACE



## **Abacus** ABACUS

Abacus Software provides technical support for its utility applications including BeckerTools and Virus in the Abacus section of the Windows Third Party Applications C Forum. In addition to software development, Abacus is also a publisher of software and computer books. +

## **ABC Systems and Development** ABCSYS

Support for ABC's network administration applications and tools such as LAN Admin can be found in its section of the Windows 3rd Party Applications D Forum. +

## **Above Software** ABOVE

Above Software provides support for ABOVE DISC+, AboveMEM and Golden RETRIEVER in its section of the PC Vendor D Forum. +

## **Access Softek** WINAPA

Access Softek produces a series of text and file utility products for the Windows environment including TakeNote and Prompt!, which are supported in the Access Softek section of the Windows Third Party Applications A Forum. +

## **Acer America** ACER

Acer America supports its full line of computer systems in its section of the PC Vendor F Forum. Technical support representatives are online to answer your questions about the systems. +

## **ACIUS Forum** ACIUS

The ACIUS Forum supports all ACIUS products. This includes 4th Dimension, File Force and 4D Modules. Libraries contain time saving programs including externals and sample databases. +

## **Activision (TENpointO)** MACAVEN

Receive support for products such as Focal Point II and City to City in the Activision section of the Mac A Vendor Forum. +

## **Adda Technologies** MULTIBVEN

Access Adda Technologies' section of the Multimedia B Vendor Forum to obtain support for its AVer line of DTV products, including scan converters, frame buffers and complete video products kits for the IBM/PC platform. +

## **AddStor, Inc.** PCVENE

AddStor supports its products such as SuperStor in its section of the PC Vendor E Forum. +

## **Adobe Forum** ADOBE

Operated by the Adobe technical support staff, the Adobe Forum is for users, dealers, service bureaus, developers and other interested parties to discuss desktop publishing. This forum is especially of interest to users of Adobe typefaces, Adobe Illustrator, Transcript, Photoshop, Acrobat and Premiere. The forum's libraries contain company press releases and new product announcements. +

## **Advanced Digital** MULTIBVEN

Advanced Digital's section of the Multimedia B Vendor Forum supports PC Prime Time. +

## **Advanced Gravis Computer Technology** PCVENB or MACDVEN

Advanced Gravis Computer Technology Ltd. supports its full line of products in its section of the PC Vendor B Forum. The Advanced Gravis product line includes analog joysticks, switch joysticks, programmable/optical joysticks, programmable/multi-button mice, high speed game cards, security software and portable hard disk drives. Advanced Gravis' line of Macintosh products are supported in the Mac D Vendor Forum. +

# Computers and Software Support

CompuServe provides you with unparalleled electronic support for your computing needs. Nowhere else can you obtain direct support from over 500 software and hardware companies in one place. Have a question? Leave a message and receive an answer typically within 24 hours, if not sooner.

Support includes direct links to software and hardware companies, libraries of online information and forums where other knowledgeable individuals are willing to help you solve your problems.

This section contains the products pertaining to computers and technology. It includes software and hardware forums, electronic magazines and newsletters. Many of the products described in this section contain software patches, enhancements programs, shareware programs and tips and techniques which will expand your capabilities and productivity.

## **Advanced Software** MACDVEN

Advanced Software supports its personal information manager, InTouch, in its section of the Mac D Vendor Forum. +

## **Agfa** AGFAEPS

Agfa Gavaert supports its scanners, scanner drivers and color management software in its section of the DTP Vendor B Forum. +

## **AI EXPERT Forum** AIEPERT

AI EXPERT Forum has been created for the Artificial Intelligence community as an information exchange and a supplemental resource to *AI Expert* magazine. In this forum, you can query industry and academic leaders in the AI field as well as exchange AI information with other members. *AI Expert* articles and supporting program listings are available here for downloading to your machine, as are public domain expert systems and software. *AI Expert* editor Larry O'Brien and many of the *AI Expert* columnists and authors are available to chat with you. +

## **Aimtech** MULTIVEN

IconAuthor, a Windows-based interactive multimedia authoring system, is supported by Aimtech in the Multimedia Vendor Forum. Representatives from Aimtech are standing by to provide you with technical online assistance. +

## **Aladdin Systems, Inc.** MACDVEN

Shortcut, Stuffit and Stuffit Deluxe are supported in the Aladdin Systems support section of the Mac C Vendor Forum. +

## **Alcom** ALCOM

Access Alcom's section of the PC Vendor H forum to obtain support for LanFax Redirector, Alcom's fax server software. +

## **Aldus Forum** ALDUSFORUM

The Aldus Forum provides Aldus users with information about product upgrades and new releases. Technical support is provided for Aldus PageMaker, FreeHand, PhotoStyler and Persuasion. All Aldus Consumer Division (formerly Silicon Beach) products, such as IntelliDraw, Personal Press, Digital Darkroom, SuperCard, Super-3D, SuperPaint and Gallery Effects, are also supported in this forum. +

## **Aldus Special Programs Forum** ALDUSSPP

The Aldus Special Programs Forum is designed for developers and others in Aldus special programs. In the Developer's Corner experts will answer questions about Aldus Additions and TIFF Specifications. Other sections of this forum are restricted to groups such as Aldus Authorized Trainers, Registered Image Services and Aldus Beta Programs. Contact your program manager if you belong to one of these groups and would like access to the section. +





## All-Music Guide Forum AMGPOP

The All-Music Guide Forum is a database containing information and reviews of albums from a wide variety of musical artists. The musical styles covered include Blues, Rock, New Age, Jazz, Big Band, Alternative and Reggae. The Forum's libraries contain brief bios and album reviews on a large variety of artists. A special section contains a list of "First Picks." These are considered the best albums of an artist to enable you to select good works of an unfamiliar artist. +

## Allied Telden PCVENI

Access Allied Telden's section of the PC Vendor I Forum to obtain support for its line of Ethernet adapter cards. +

## Alpha Software PCVENE

Obtain product information and technical support from Alpha Software for Alpha Four, a networkable relational database management and application development system. Support is available within the Alpha Software section of the PC Vendor E Forum. +

## ALR ALRINC

Advanced Logic Research (ALR) supports its upgradable desktop file server and notebook PC products in its section of the PC Vendor G Forum. +

## Altsys Corporation MACBVEN

Access the Altsys Corp. section of the Mac B Vendor Forum to obtain technical support for Altsys' Fontographer, Metamorphosis, The Art Importer, Fontastic Plus and Family Builder products. +

## Alysis MACCVEN

Visit the Mac C Vendor Forum to receive technical support directly from Alysis. Alysis Resource Compressor, More Disk Space, Quadra Compatibility INIT (V3.0) and SuperDisk are all supported in the Alysis Software section. +

## American Cybernetics CYBERNET

American Cybernetics representatives provide support and information for AC's full line of products including Multi-Edit, Evolve, The Workgroup Collection and The Guides within its section of the PC Vendor E Forum. +

## American Power Conversion APCSUPPORT

American Power Conversion designs, manufactures and markets Uninterruptible Power Supplies (UPS), which can help ensure a constant source of electrical power to your computer. Access its section of the PC Vendor E Forum to receive the latest information and technical support from APC. +

## Amiga and Commodore Users Network CBMNET

There are seven forums devoted to Commodore computers: the Amiga Arts Forum (GO AMIGAARTS), the Amiga Tech Forum (GO AMIGATECH), the Amiga User Forum (GO AMIGAUSER), the Amiga Vendor Forum (GO AMIGAVENDOR), the Commodore Arts and Games Forum (GO CBMART), the Commodore Applications Forum (GO CBMAPP) and the Commodore Service Forum (GO CBMSERVICE). +

## Amiga Arts Forum AMIGAARTS

Amiga Arts Forum is for anyone with an interest in the creative aspects of the Amiga personal computer. Members can access conference rooms, libraries and message boards which are broken down by topic. Forum libraries contain hundreds of programs, textfiles, help info, product reviews and transcripts of previous conferences held in the forum. All are available for downloading to your computer at no additional charge to members whose terminal software supports one of the various file transfer methods, including XMODEM and CIS B and QB protocols. Membership ranges from beginners to advanced professionals who share skills, knowledge or just curiosity. +



## Amiga File Finder AMIGAFF

Amiga File Finder provides a quick and easy reference to some of the best programs and files available in the Amiga Arts, Tech, User and Vendor forums. In this comprehensive database, you can quickly find the file you want using search criteria such as a keyword, file submission date, forum name, file type, file extension, file name or submitter's user id. When you enter the selection criteria, the file's description, forum and library location are listed. +

## Amiga Tech Forum AMIGATECH

If you're interested in the technical aspects of the Amiga personal computer, try the Amiga Tech Forum. Members have access to various sections of the message board, the online conferencing feature and extended libraries containing hundreds of public domain programs for the Amiga, help files, product reviews and archived reference texts—all free and available for downloading. Forum members include Amiga enthusiasts of all levels. +

## Amiga User Forum AMIGAUSER

The Amiga User Forum is dedicated to the everyday business and personal use of Amiga computers. Experienced and new users are encouraged to frequent the message boards where topics such as Amiga news and rumors, hardware, word processing, personal applications, business applications, amateur radio and communications are thoroughly examined. A classified section is available for members who want to sell or purchase second-hand Amiga products. +

## Amiga Vendor Forum AMIGAVENDOR

Talk about Amiga products with other Amiga enthusiasts and find support from selected product vendors in the Amiga Vendor Forum. In addition, you'll find information on the various products available from the following vendors: ASDG, ATI, Avant-Garde Software Inc., Black Belt Systems, Central Coast Software, DKB Software, Impulse, Inc., Inovatronics, New Horizons, NewTek, Right Answers, Soft-Logik, Softwood and Syndesis. See each vendor's individual description within this section for a list of supported products. +

## Andyne Computing ANDYNE

Andyne Computing supports PaBLO, a multi-dimensional data access tool, in its section of the Windows 3rd Party Applications E Forum. +

## Animated Software ANISOFT

In the Animated Software section of the Graphics B Vendor Forum, obtain support for Russel's Animation Machine (formerly P-11 Editor) as well as Engine of Life and Labeler. +

## Animation ANIMATION

Access the Animation section of the MIDI A Vendor Forum to obtain technical support for Animation products, including "MCS STEREO" multimedia player. +

## APPC Info Exchange Forum APPCFORUM

IBM offers this forum for the discussion of all topics related to the design and implementation of applications that use Advanced Program-to-Program Communications (APPC). The conference and message sections host discussions about CPI-C (Common Programming Interface Communications) and configuring networks to support APPC applications such as IBM's Advanced Peer-to-Peer Networking (APPN). Communicate directly with IBM and post suggestions for future product development. +

## Appian Technology GRAPHBVEN

Appian Technology supports its line of graphics boards in its section of the Graphics B Vendor Forum. +

## Apple Macintosh Forums MACINTOSH

Macintosh users have a variety of forums from which to choose. Some forums cover the use of the Mac for personal productivity, arts, entertainment, new users and communication. Others center on HyperCard, vendors and developers.

## Apple II Programmers' Forum APPROG

Learn how to create your own applications programs for your Apple II computer. Sections within this forum are devoted to programming using languages from BASIC, Pascal and machine to the more advanced graphic interface of the HyperStudio program. Members exchange programming tips and application ideas to help solve problems and increase productivity. +



## Apple II Users Forum APPUSER

The Apple II Users Forum is for those who use the Apple II personal computer and want to learn more about the available programs for business, school or home applications. Members browse through the message sections and libraries for help in choosing and using hardware and software programs such as AppleWorks and various other Apple II utility programs. Many members are experts in using the Apple II and can offer sound advice in purchasing and using the various products. +

## Apple II Vendor Forum APIIVEN

Have a question about an Apple II product? Join the Apple II Vendor Forum for expert advice and support before and after you make your purchase. Companies such as Applied Engineering, Beagle Brothers, 1st Class Peripherals, InTrec Software, On Three Inc, Seven Hills Software, Stone Edge Technology and TMS Peripherals have representatives online to answer customers' questions about their Apple II products. Library files offer additional information. +

## Apple II/III Forums APPLE II/III

This area contains forums devoted to the Apple II, II+, IIe, IIc, IIGS and III. These forums and the Macintosh Forums (GO MACINTOSH) make up the world's largest online community of Apple users. If you are interested in any Apple computer, you will probably want to join several different forums. The individual membership information announcements in each forum detail what each forum offers its members. All forums follow the same general format and are divided into separate message, library and conference areas.

## Applied Engineering MACDVEN or APIIVEN

Applied Engineering provides support for its line of Macintosh and Apple II enhancement products such as voice, data and fax modems; cellular communications interfaces; and accelerators and high speed four-port serial expansion cards in its section of the Mac D Vendor Forum. Applied Engineering also provides support in the Apple II Vendor Forums. +

## Arabesque Software ECCO

Arabesque Software provides support for its personal information managers, ECCO Pro and ECCO Simplicity, in its section of the Windows 3rd Party Applications A Forum. +

## Aristosoft ARISTOSOFT

Aristosoft, producer of a series of sound enhancement software products for the Windows environment such as Wired for Sound and Sound Effects, supports its products in the Aristosoft section of the Windows Third Party Applications C Forum. +

## Articulate Systems MACAVEN

Articulate Systems provides voice communication products for the Mac. Online support for Voice Link, VoiceWaves and VoiceWaves/Plus can be found in the Mac A Vendor Forum. +

## Artisoft Forum ARTISOFT

Users of Artisoft's complete line of LANtastic products, Ethernet products and NetMedia products will want to join this forum for full technical support. Artisoft representatives are available online to provide you with complete and accurate answers to your questions. The message sections host discussions for each Artisoft product and include special sections for programmers and new users. +

## ASDG AMIGAVENTOR

ASDG provides support for its AdPro in the ASDG section of the Amiga Vendor Forum. +

## Ashlar Incorporated ASHLAR

Ashlar Incorporated provides support for its CAD applications in its section of the CADD/CAM/CAE Vendor Forum. Products supported include: Vellum 2-D/3-D Mac, Vellum 2-D Windows, Vellum 2-D SGI and SCORE. +

## ASP/Shareware Forum ASPFORUM

The Association of Shareware Professionals' Forum caters to computer users who want to try software before buying it. The General Info library contains ASP program files you can download to your computer. By joining this forum, you can communicate directly with members of the ASP or other members of the forum who are knowledgeable about shareware and its advantages. +

## AST Research ASTRESEARCH

Access AST Research's section of the Novell Vendor A Forum to obtain support for its line of computer hardware products. +

## Asymetrix Corporation

ASYMETRIX or MULTIVENDOR

Asymetrix Corporation produces ToolBook, an application development package for the Windows environment. ToolBook is supported in the Asymetrix section of the Windows Third Party Applications A Forum. Asymetrix also supports its full line of multimedia products in the Multimedia Vendor Forum. +

## Asystem MIDICVEN

Asystem supports Sound Impression, its multimedia sound software, in its section of the MIDI C Vendor Forum. +

## Atari 8-Bit Forum ATARI8

The forum is not affiliated with Atari Corporation but is maintained by independent Forum Administrators (SysOps) and centers on the Atari 8-bit computer. The libraries contain programs, text files, help information, product reviews and transcripts of previous conferences. The Forum Administrators and others in the forum are willing to help you and answer your questions. +

## Atari File Finder ATARIFF

Browsing through the Atari forum files has never been easier. The Atari File Finder is a comprehensive keyword-searchable database of files found in the Atari forums. Participating forums include the Atari ST Productivity Forum, Atari ST Arts Forum and Atari Vendors Forum. You can search by a keyword, file submission date, forum name, file type, file extension, file name or submitter's user ID number. +

## Atari Portfolio Forum APORTFOLIO

The Atari Portfolio Forum provides support for Atari's newest computer, the hand-held Portfolio. Forum libraries and message sections contain information on telecommunications, database support, text editing, entertainment and more. +

## Atari ST Arts Forum ATARIARTS

The Atari Arts and Entertainment Forum is one of five Atari special interest group forums. This forum supports and exchanges information pertaining to art and entertainment software for the Atari 16-Bit (ST) series of computers. Talk to other Atari owners through message boards or conference rooms and learn about the top-quality public domain graphics and entertainment software available through this forum. +

## Atari ST Productivity Forum ATARIPRO

The Atari ST Productivity Forum is also one of five Atari special interest group forums. This forum connects you with people all over the world who share your interest in the exchange of information and programs about business, telecommunications, programming and more. Check out this forum for support and information about productivity software for the Atari 16-Bit (ST) series of computers. +

## Atari Users Network ATARINET

Atari computer users have several forums and areas covering their interests. These include forums for the 8-bit computer, the 16-bit computer, the Atari Portfolio, vendor support and an electronic magazine. +





### Atari Vendors Forum ATARIVEN

The Atari Vendors Forum provides access to Atari related software and hardware vendors. This forum includes the following companies: CodeHead Software, DMC Publishing, Gadgets By Small, Gribnif Software, ICD, Inc., INTERSECT Software, Lexicon Software, MacDonald Associates, Maxwell CPU, Michtron, Missionware Software, Oregon Research Associates, Precision Software and Soft-Logik Publishing. See each vendor's individual description within this section for a list of supported products. Support and product information can be obtained via the message boards and libraries. +

### ATI AMIGAVENTOR

ATI provides support in the ATI section of the Amiga Vendor Forum for its Whap! communications program. +

### ATI Technologies Inc. ATITECH

Access the ATI section of the Graphics A Vendor Forum for support on ATI's full line of VGA, SVGA, High Color and True Color video systems and adapters. +

### Atticus Corporation MACDVEN

Atticus provides support for Super 7 Utilities and other Atticus products in its section of the Mac D Vendor Forum. +

### Autodesk AutoCAD Forum ACAD

If you use or are considering using computer-aided design, join the Autodesk AutoCAD Forum for hints and techniques in using Autodesk's various products such as AutoCAD, AME and AutoShade. Inside the forum, members discuss CAD applications software, hardware, operating systems, languages, management and productivity. For quick, accurate answers to your questions, forum messages are monitored by Autodesk training, quality assurance, customer service, software development, marketing and administrative personnel. +

### Autodesk Retail Products Forum ARETAIL

Autodesk created this forum to keep its users up-to-date on current news and special items of interest about Autodesk or Generic Software products. Developments in the PC CADD industry are discussed in conferences and through the message boards. Questions directed to Autodesk are answered within 24 hours. +

### Autodesk Software Forum ASOFT

Autodesk provides this forum to support users of its multimedia and Science Series products and those who are interested in generating computer graphics. Products such as Animator, 3D Studio, CA Lab and Chaos are discussed in detail to help you understand the products and improve your techniques. Also, Autodesk maintains a wish list to encourage you to make suggestions on ways to improve the products and policies. +

### Automated Design Systems ADSINFO

Automated Design Systems produces Windows Workstation, a network management software product for the Windows environment. Automated Design Systems provides support for Windows Workstation in the Automated Design System section of the Windows 3rd Party Applications D Forum. +

### Avant-Garde Software Inc. AMIGAVENTOR

Avant-Garde Software supports its current product line which consists of Benchmark Modula-2 Software Construction Set; Simplified Amiga Library for Benchmark Modula-2; "C" Language Library for Benchmark Modula-2 and IFF & Image Resource Library for Benchmark Modula-2. Avant-Garde Software supports these products in the Amiga Vendor Forum. +

### Avatar Corp. MACCVEN

Find support from Avatar Corp. for its products such as Avatar 4/16Mb token-ring card and token-ring gateway in the Mac C Vendor Forum. +

### Avery Dennison AVERY

Avery Dennison supports its line of products including the Personal Label Printer and LabelPro in the Avery section of the PC Vendor F Forum. +

### Avid DTV Group MULTIBVEN

Avid DTV Group supports VideoShop, its movie editor for digital movies and videos on the Mac, in its section of the Multimedia B Vendor Forum. +

### Banner Blue Software PCVENI

Banner Blue Software supports its line of Business and Home Creativity Products such as Org Plus, Family Tree Maker and the Banner Blue Movie Guide in its section of the PC Vendor I Forum. +

### Banyan Forum BANFORUM

The Banyan Forum provides direct access to Banyan System Inc. support personnel. Messages cover Banyan network products and more. Libraries contain patchware and shareware for improving the efficiency of your network. +

### Barefoot/Hybrid MIDIAVENTOR

Barefoot (formerly Hybrid Arts) provides support in its section of the MIDI A Vendor Forum for Atari computer MIDI/music products such as AudioTrack, EditTrack, EZ-Score Plus, GenEdit, the MidiPlexer, Music DTP and SmpteTrack. +

### Baseline Publishing MACCVEN or WINAPD

Baseline Publishing provides technical support for The Talking Moose, INIT Manager, One Shot and Thunder 7. Baseline Publishing also supports all Preferred Publishers products including Database, Vantage, DoubleTalk, Screen-shot and Exposure Pro. Baseline Publishing also provides technical support in its section of the Windows 3rd Party Applications D Forum for its series of screen and language utilities for the Windows environment. Among the products supported are Personality, Vantage and Virtual Monitors. +

### BASIS International Forum BASIS

Primarily of interest to business application engineers, the BASIS International Forum provides product support for BASIS authored and distributed software products. Join the forum and attend regularly-scheduled online conferences. Download public domain software and review the company's application catalog. +

### BCD Associates MULTIVEN

Support for BCD Associates video tape and video disc computer control interfaces can be found within the Multimedia Vendor Forum. Online representatives are available to assist you with your technical questions. +

### Beagle Bros. APIIVEN

Access Beagle Bros.'s section of the Apple II Vendor Forum for support for TimeOut and its other Appleworks enhancement products. +

### Berkeley Systems (Macintosh) MACBVEN

Berkeley Systems provides technical support in the Mac B Vendor Forum for After Dark, ScreenKeys, Stepping Out II, outSPOKEN, inLARGE and inTOUCH. +

### Berkeley Systems (Windows) ADWIN

Berkeley Systems produces After Dark for Windows, a screen saver program for the Windows environment. After Dark for Windows is supported in the Berkeley Systems section of the Windows 3rd Party Applications C Forum. +

### Best Power Technology BEST

Best Power supports its line of UPS monitoring products in its section of the Novell Vendor A Forum. +

### Beyond, Inc. BEYOND

Beyond representatives are available within the Beyond, Inc. section of the PC Vendor C Forum to answer your questions about BeyondMail. +

### Big Noise Software, Inc. MIDIAVENTOR

Big Noise Software provides support for its MIDI-based products in the MIDI A Vendor Forum. Its products include Cadenza for Windows, MIDI MaxPak and the Big Noise Editor/Librarian. +

### Bitstream BITSTREAM

Bitstream produces a complete line of fonts and typographic-related products for the desktop publishing and word processing markets. Support for Bitstream fonts and products, including MakeUp, Type Essentials and Facelift, can be found in the Bitstream section of the Desktop Publishing Vendor Forum. +





## **Black Belt Systems** AMIGAVENTOR

Black Belt Systems provides the Amiga technical community with highly sophisticated and unusual hardware and software. These products are supported in Black Belt Systems' section in the Amiga Vendor Forum. +

## **BLOC Publishing Corporation** BLOCPUB

BLOC Publishing Corporation produces productivity software for the IBM and compatibles. It provides support for Diskette Manager, Diskvision, Fast!, FastPak Mail, FormTool, FormFiller, FT Pro, Page Garden, Personal Law Firm, Print Rite and 3d Charts to Go! for Windows within its section of the PC Vendor D Forum. +

## **Blue Lance** NVENA

Blue Lance supports network management and administration applications such as LT Auditor, LT HelpDesk and LT Stat in its section of the Novell Vendor A Forum. +

## **Blue Ribbon** BLUERIBBON

Blue Ribbon supports SuperJAM!, its interactive music software, in its section of the MIDI C Vendor Forum. +

## **Blyth Software Forum** BLYTH

The Blyth Software Forum is for those who are interested in Blyth's database programs and products. This forum provides Blyth users with technical support, as well as the ability to contact other Blyth users to share experiences and knowledge about the database products. Members are encouraged to share files through the various libraries contained in this forum. +

## **Boca Research** BOCA

Boca provides support for its Boca modem line in its section of the Modem Vendor Forum. +

## **BocaSoft** BOCASOFT

BocaSoft supports its products such as BocaSoft WipeOut screen saver and BocaSoft System Sounds audio program in its section of the OS/2 Vendor Forum. +

## **Borland C++/DOS Forum** BCPPDOS

In this forum, users of software by Borland International exchange tips, techniques and any other information directly related to programming with Turbo Prolog, Turbo C, Turbo C++, Turbo Assembler and Turbo Debugger. For information about C and C++ for Windows, see Borland C++/Windows Forum (GO BCPPWIN). +

## **Borland C++/Windows Forum** BCPPWIN

This forum, operated by Borland's Technical Support Department, provides support for users of Borland's C, C++ and related programming tools in the Windows environment. Here you can meet with other programmers and discuss topics, from Borland Windows programming tools to advanced Windows programming. Numerous files about Borland's programming tools for Windows are available for viewing or downloading. For information about C, C++ and Assembler for DOS environments, see Borland C++/DOS Forum (GO BCPPDOS). +

## **Borland dBASE Forum** DBASE

Whether you use dBase as a database program or as a development tool, join the Borland dBase Forum to obtain support for all versions of dBase II, III and IV. Besides getting help with using dBase's features, you can learn about how to use dBase with various 3rd party utilities and how to create runtime programs. Also find out how to join a dBase user group in your area. +

## **Borland Development Tools Forum** BDEVTOOLS

Operated by Borland's Technical Support Department, this forum supports Borland development products such as Paradox Engine for C++ and Pascal, ObjectVision, Brief and Interbase. All kinds of developers participate in this forum to learn about using these Borland products and how to improve their individual applications. The libraries are stuffed with files aimed at helping developers solve problems and improve productivity. +

## **Borland GmbH Forum** BORGER

The Borland GmbH Forum provides technical support for Borland's German-speaking customer base. Members correspond in German with other members and with representatives from Borland. Files are available in the libraries that provide additional support for Borland's German products. For additional Borland support, see Borland International (GO BORLAND). +

## **Borland International** BORLAND

In this area, users of Borland software can obtain information about Borland International. Included are a what's new section containing Borland press announcements and other news, company and product information, and employment opportunities. The section also contains an R & D suggestion box and nine forums. +

## **Borland Paradox DOS Forum** PDOXDOS

The Borland Paradox DOS Forum is for users of Borland's Paradox database program in the DOS environment. Discuss topics such as installation, networking, updates, programming tips, and troubleshooting with Borland's Technical Support Department. Libraries contain enhancement programs and product information. +

## **Borland Paradox Windows/OS2 Forum** PDOXWIN

The Borland Paradox Windows/OS2 Forum is for users of Borland's Paradox database program in the Windows or OS/2 environments. Support can also be obtained for Borland's ObjectPAL. Members can discuss topics such as installation, networking, updates, programming tips, and troubleshooting with Borland's Technical Support Department. Libraries contain enhancement programs and product information. +

## **Borland Pascal Forum** BPASCAL

Join this forum if you use the Pascal programming language. You will find information about using Pascal in both DOS and Windows environments as well as information about graphics, networks and debugging techniques. The message and library sections are non-version specific to make it easier for you to find the information you need. A special read-only From Borland library section is available where representatives from Borland upload helpful information about their products. +

## **Borland Quattro Pro Forum** QUATTROPRO

If you use Borland's Quattro, Quattro Pro or Quattro Pro for Windows spreadsheet programs, join this forum for online product information, news and technical support. Borland Technical Support representatives are online to answer your questions about printing, writing macros, networking and using Quattro Pro in general. Members who are experienced in using Quattro Pro can also answer your questions and help you solve application problems. For information about other Borland products, see the other Borland forum descriptions in this section. +

## **Brightwork Development** BRIGHT

Brightwork Development provides support for the following products in its support section of the PC Vendor D Forum: Sitelock, PS-Print, NetRemote, LAN Support Center and LAN Automatic Inventory. +

## **Brown Bag Software** BROWNBAG

Brown Bag supports MindReader, PC-Outline and PowerMenu Plus in its support section of the PC Vendor G Forum. +

## **Butterworth Legal** PCVENJ

Butterworth Legal supports its line of print and electronic law information products in PC Vendor J. Forum +

## **ButtonWare, Inc.** PCVENA

ButtonWare provides support for the following products in its section of the PC Vendor A Forum: Button:File, PC-Calc, PC-File, PC-Type and TakeNote. +

## **CA Application Development Forum** CAIDEV

Computer Associates sponsors this forum primarily for users of CA application development solutions. CA products discussed in the message section include CA-dBFast, a Windows database program, and CA-Realia mainframe-compatible products. Find out how others are using the software and how you can apply their experiences to your own developmental needs. Representatives from CA are online to answer technical questions about specific applications or problems. For information on additional CA products, see the CA-Clipper Forum (GO CLIPPER), CA Productivity Solutions Forum (GO CAIPRO) and CA Vax/Unix Forum (GO CAIMINI). +

## **CA-Clipper Forum** CLIPPER

If you use Clipper to develop your own database applications, be sure to join the CA-Clipper Forum to learn more about Clipper and to offer tips on Clipper usage to other users. This forum supports many topics of discussion about Clipper, including the program itself and its use with utilities and LAN products. Learn how other members are using Clipper and get expert advice from CA representatives to fine tune your own projects. For information on additional CA products, see the descriptions for the CA Application Development Forum (GO CAIDEV), CA Productivity Solutions Forum (GO CAIPRO) and CA Vax/Unix Forum (GO CAIMINI). +

## **CA-Clipper Germany Forum** CLIPGER

The CA-Clipper Germany Forum supports the German-speaking customer base in Germany, Switzerland and Austria. Members can directly communicate in German with CA's technical and marketing staff or browse the forum's libraries for German programs and support. For additional CA support, see the CA Micro Germany Forum (GO CAMICRO). +

## **CA Micro Germany Forum** CAMICRO

The Computer Associates GmbH Forum provides technical support for German speaking users of German language products like the C++/CommonView, CA-Cricket Family, dbFast, Realizer, Superproject, Textor and UpToDate. The libraries contain drivers, upgrades and utilities. For information on programming with CLIPPER, visit the CA-Clipper Germany Forum (GO CLIPGER). +

## **CA Productivity Solutions Forum** CAIPRO

The CA Productivity Solutions Forum, sponsored by Computer Associates, provides support to users of various CA programs such as CA-SuperCalc spreadsheet, CA-SuperProject project management and CA-Cricket Family graphics package. Get technical help from CA representatives and other members for your current applications, or learn more about other CA products that work with your current system. For information on additional CA products, see the CA Application Development Forum (GO CAIDEV), CA-Clipper Forum (GO CLIPPER) and CA VAX/Unix Forum (GO CAIMINI). +



## CA-Simply Forum CASIMPLY

Computer Associates provides support for its line of CA-Simply software products in the CA-Simply Forum. CA-Simply produces money management products such as CA-Simply Tax, a tax preparation program for Windows and DOS; CA-Simply Money, a personal finance package for Windows; and CA-Simply Accounting, a small business accounting package for Windows, Macintosh or DOS. For information on other Computer Associates products, visit the other CA forums in this section. +

## Cabletron Systems, Inc. CTRON

Cabletron Systems, Inc. offers this forum to inform and support users of LAN services and products developed and manufactured by Cabletron for Ethernet, Token Ring and FDDI networks. Learn more about Cabletron's exclusive Integrated Network Architecture (INA) that allows you to build and manage a global, distributed network of interconnected LANs that work together regardless of which media type or network standard is used. +

## CADD/CAM/CAE Vendor Forum CADDVEN

The CADD/CAM/CAE Vendor Forum, managed by the League for Engineering Automation Productivity (LEAP), is dedicated to the support of computer-aided design, manufacturing and engineering software and hardware. Company representatives from Ashlar Incorporated, Cadkey, Inc., Environmental Systems Research Institute, Evolution Computing, IBM CAD, ISICAD and Universal Technical Systems are currently online to provide technical support, information on product upgrades, new product announcements, and much more. See each vendor's individual description within this section for a list of supported products. +

## CADENCE Forum CADENCE

The CADENCE Forum, brought to you by Miller Freeman Publishing, is a supplement to CADENCE Magazine and provides support for Autodesk's AutoCAD application. Download source code from the magazine as well as updates, upgrades and helpful hints from the forum's libraries. Also, you can address questions and comments directly to CADENCE Magazine's editors. +

## Cadkey, Inc. CADKEY

Cadkey provides support for its full line of computer-aided design software in the Cadkey section of the CADD/CAM/CAE Vendor Forum. +

## CADLink CADDVEN

Obtain support for SignLab, CADLink's Sign-making technology in the CADLink section of the CADD/CAM/CAE Vendor Forum. +

## CAI/ColorAge DTPVENDOR

CAI/ColorAge produces and provides technical support for Freedom of Press, a device-independent PostScript language compatible multi-platform interpreter, in the CAI/ColorAge section of the Desktop Publishing Vendor Forum. +

## Campbell Services ONTIME

Campbell Services produces and supports OnTime for Windows, a personal information manager, in the Campbell Services section of the Windows 3rd Party Applications C Forum. +

## Canon Support Forum CANON

Visit the Canon Support Forum to receive technical support directly from Canon's Help Desk staff. This forum provides support for Canon products such as Laser Beam printers, Bubble Jet printers, Scanners and the Navigator. This forum is an online supplement to Canon's Printer Division support, providing a direct link between you and the staff at Canon. Visit this forum to communicate with other users of Canon printers to share information and ideas and exchange helpful hints. +

## Canopus Research Forum CANOPUS

The Canopus Research Forum provides a place for computer users to come together to discuss industry trends, technologies and products. Find out which products are deemed hot by computer users around the world and which are not. Read the latest issues of the *Canopus Report*, written by Canopus Research President Will Zachmann, and *The Cheifet Letter*, a newsletter produced by the Computer Chronicles television show. This forum also features honored guests from all areas of the computer industry. +

## Casady & Greene CASADY

Obtain support for Casady & Greene's font manager, Fluent Fonts, in its section of the DTP Vendor B Forum. +

## CASE - DCI Forum CASEFORUM

The CASE - DCI Forum, sponsored by Digital Consulting, Inc., is available for software developers using CASE tools. From novices to more experienced users, members share information and helpful tips on using CASE tools anywhere in the development process. Through this forum, users keep informed about educational events sponsored by Digital Consulting and about CASE-NET, an international CASE user group. +

## Casio Inc. PALMTOP

Casio Inc. provides support for its Casio B.O.S.S. line of electronic organizers in the Casio B.O.S.S. section of the Palmtop Forum. +

## CDROM Forum CDROM

For information about CDROM technology, reviews of seminars and conference sessions, a calendar of upcoming CDROM events, comparisons of CDROM applications and product announcements, try the CDROM Forum. +

## CD-ROM Vendors Forum CDVEN

The CD-ROM Vendors Forum is for consumers and producers of CD-ROMs and CD-ROM products. The forum enables members to communicate directly with a variety of CD-ROM publishers and product providers. The libraries contain press releases, price lists, drivers and demos. Vendors such as Bowker (Reed) Electronic Publishing, the Bureau of Electronic Publishing, Creative Multimedia Corp., Meridian Data and Trantor are represented in the forum. +

## CE Software MACAVEN

Access the CE Software support section of the Mac A Vendor Forum to obtain technical support for CE Software's full line of Macintosh products. These products include QuickMail, QuickKeys, Disktop, Alarming Events, Amazing Paint and CalendarMaker. +

## Central Coast Software AMIGAVENTOR

Central Software provides support for its Amiga utility titles including Quarterback, Quarterback Tools, DOS 2 DOS and MAC 2 DOS products within the Amiga Vendor Forum. +

## Central Point Software DOS Forum CPSDOS

In this forum, Central Point provides you with technical support and customer service regarding any and all Central Point software DOS products such as CP Backup file backup system, CPAV anti-virus utility and PCTools utilities. The message and library sections are divided by type of product making it easy to find the information you need about the Central Point software you use. For information about Central Point's software for Windows and Macintosh environments, see the Central Point Software Windows and Macintosh Forum (GO CPSWINMAC). +

## Central Point Software Windows and Macintosh Forum CPSWINMAC

If you use Central Point software for Windows and Macintosh environments, join this forum to build your knowledge about programs such as CP Backup file backup system, CPAV anti-virus utility, Scrapbook+ visual data storage and retrieval utility and MacTools and Windows utilities. Knowledgeable Central Point technical and customer support personnel are online to answer your questions and help you decide which programs are right for your applications. While in this forum, browse through the libraries for additional information and support. For information about Central Point's software for the DOS environment, see the Central Point Software DOS Forum (GO CPSDOS). +

## Cheyenne Software CHEYENNE

Cheyenne Software supports ARCserve, ARCserve/Open, ARCserve/Solo, Cheyenne Utilities for NetWare, FAXserve, InocuLAN and Monitrix LAN-based products in its support section of the PC Vendor G Forum. +





## ChipSoft CHIPSOFT

Whether you are doing your own taxes or you are part of a professional tax preparation service, ChipSoft produces tax preparation software for you. The ChipSoft Forum provides support for more than 325 tax preparation products such as TurboTax for DOS or Windows and MacIntax for the Macintosh. +

## Clarion Software Forum CLARION

Clarion Software provides technical support and discussion areas for its family of database development products and compilers. Find support for Clarion Database Developer, Clarion Professional Developer, Personal Manager (Personal Developer), Report Writer and the TopSpeed Compilers (C, C++, Modula 2 and Pascal) in the Clarion Forum. +

## The Clarion Tech Journal PCVEND

The Clarion Tech Journal is the first and only technical magazine devoted to supporting the users of Clarion Professional Developer. The journal features innovative, up-to-date technical articles covering all aspects of the Clarion database development environment and programming language. Access its section of the PC Vendor D Forum to receive information regarding the publication. +

## Clarix Corporation Forum CLARIS

Clarix Corporation's forum provides support for its products like AppleWorks, ClarisWorks, FileMaker, HyperCard, MacProject, MacWrite and Resolve. Talk with experts about problems or discuss Clarix' products. +

## Clarix Macintosh Forum MACCLARIS

The Clarix Macintosh Forum provides support for its products such as AppleWorks, ClarisWorks, FileMaker, HyperCard, MacProject, MacWrite and Resolve. Talk with technical experts about problems or discuss Clarix' products. +

## Clarix TechInfo Database CLATECH

The Clarix TechInfo Database is an online searchable database with over 3000 articles and technotes about Clarix products and services. Search for files by criteria such as product name, publication date and operating environment. +

## Clarix Windows Forum WINCLARIS

Supported by Clarix Customer Support, the Clarix Windows Forum provides support for its products such as Filemaker and ClarisWorks for Windows. Also, in the message area discuss with technical experts and others cross-platform products and issues such as Mac and PC troubleshooting. +

## Cobb Group Applications Forum COBBAPP

The Cobb Group Applications Forum provides problem-solving tips and downloadable software for users of Lotus 1-2-3, DOS and Microsoft Windows. Get advice from the experts and answers to common questions about your favorite applications. Library sections include downloadable text from Cobb Group journals, utilities and shareware. Part of ZiffNet (GO ZIFFNET). +

## Cobb Group Programming Forum COBBPROG

The Cobb Group Programming Forum provides downloadable files and source codes archived from the Cobb Programming journals for Pascal, C, C++, Paradox and dBase users. The forum is built on 12 Cobb language-specific journals. The message board and keyword-searchable library sections are organized by programming language. Part of ZiffNet (GO ZIFFNET). +

## Coda Music Software CODA

Support for Finale and MusicProse products can be found in the Coda Music Software section of the Midi B Vendor Forum. Representatives are available to provide technical assistance. +

## CodeHead Software ATARIVEN

CodeHead Software produces utility and productivity software for the Atari ST. CodeHead provides support for these products in its section of the Atari Vendor Forum. +

## Cogent Data Technologies COGENT

Cogent Data Technologies supports its E/Master family of Ethernet LAN adapters for EISA, ISA and MCA bus machines in its support section of the PC Vendor G Forum. +

## Cognetics COGNETICS

Hyperties, an industrial-strength hypertext and multimedia product for the IBM-PC, is supported in the Multimedia Vendor Forum. Representatives from Cognetics are available online to provide technical assistance. +

## Color Computer Forum COCO

The TRS-80 CoCo Users Group provides independent support for owners and operators of the TRS-80 Color Computer and related peripherals. Technical information, programming examples, and a forum where CoCo owners can meet and discuss problems and desires are also included. +

## Command Software Systems PCVENF

Command Software Systems, developer of security and anti-virus software, will answer your technical questions and provide product information within its section of the PC Vendor F Forum. Its product line includes TheEMCEE, F-PROT, FREEZE!!!, Security Guardian and LANGARD. +

## Commodore Application Forum CBMAPP

The Commodore Application Forum disseminates information and support to users of Commodore 8-bit computers, including terminal and bulletin board software, word processing, speech synthesis and education. Programming and technical information on the C-128, C-64 and various public domain programs are also available. +

## Commodore Arts and Games Forum CBMART

Commodore Arts and Games Forum is an interactive electronic forum dedicated to creative and entertainment applications for the Commodore 8-bit line of computers, including games, graphics and music. Support is also provided for all games and Geos programming. +

## Commodore Newsletter CBMNEWS

The Commodore Business Machines Newsletter offers information on Commodore computers direct from the manufacturer, including new product announcements, software updates and user group information. You can also visit the Commodore Service Forum, where CBM representatives provide assistance to Commodore computer owners. +

## Commodore Service Forum CBMSERVICE

Commodore Service Forum is staffed and maintained by Commodore Business Machines, Inc. and offers direct customer support for all Commodore computer models. There are no data libraries, but message and conferencing facilities are provided. +

## Communication Intelligence Corp. COMINT

CIC offers support for its Handwriter Recognition System and PenDOS Operating Environment in the CIC section of the Pen Technology Forum. +

## Compaq Connection COMPAQ

The Compaq Connection provides access to support and information about COMPAQ products. The Connection contains two information sections: a Product Support Services section where you can find information about available support services for Compaq products and an Authorized Training Information section which contains product-training information for users and resellers. From the Connection, you can access the Compaq Forum (GO CPQFORUM) for technical support and to download files for Compaq hardware products. The Compaq Independent Hardware and Software Vendors (ISHV) Forum is accessible from the Connection and is only available for Compaq's licensed vendors. For more information about the Compaq Forum, see its description in this section. +

## Compaq Forum CPQFORUM

For technical support for your Compaq hardware components, join the Compaq Forum, an integral part of the Compaq Connection. Compaq, which manufactures PC systems and desktop, portable, laptop and notebook personal computers, sponsors this forum enabling you to ask questions and receive answers from Compaq representatives and other expert users. Besides message sections for each type of component Compaq manufactures, a Customer Service section is also available for your nontechnical questions. For additional information and services from Compaq, see the Compaq Connection (GO COMPAQ) description in this section. +

## Complementary Solutions Inc. PCVEND

In its section of the PC Vendor D Forum, Complementary Solutions Inc. provides technical support for TELEMATE and the following TELEMATE add-ons: Report Writer, Plus, ANI reporting, Check-Out, Global and Phone Book. +

## The Complete PC COMPLETEPC

The Complete PC provides support for products such as CloseUp, Lap Link Pro and pcANYWHERE in its section of the Modem Vendor Forum. +

## Component Software MACBVEN

To obtain assistance with Component Software products such as Icon Factory, Intelligent Developer, PictureAccess, SuperPalette and StepAhead, access the Component Software section of the Mac B Vendor Forum. +



### CompuAdd Forum COMPUADD

The CompuAdd Forum offers complete support for CompuAdd systems from CompuAdd's technical support and engineering staffs. You will find information in the message section about all CompuAdd systems including desktops, laptops, notebooks and Sparc compatible CPUs. Check out the library section to find support for the collection of diagnostics and setup utilities that are shipped with each CompuAdd system, as well as press releases about the products and vendor locations. +

### Computer Art Forum COMART

The Computer Art Forum is dedicated to those who create art on the computer with a paint or drawing program. Special workgroups for popular programs such as Tempra and Painter are quite active, a Graphic Novels team is creating online story art, and the Beginners' Studio helps people learning to draw and paint. Special GIF images, such as 3D and multiimage GIFs, can be found here as well. +

### Computer Club Forum CLUB

Computer Club Forum is the home for users of computers no longer supported by the manufacturers, or who have no specific forum dedicated to their hardware on CompuServe. Computers supported in CLUB include Actrix, Adam, Amstrad, Apricot, Eagle, Kaypro, Ohio Scientific, Panasonic, Sanyo, all Timex/Sinclair hardware and the Victor 9000, although users of other computer systems are always welcome. +

### Computer Peripherals COMPUTERPERIPH

Computer Peripherals provides support for its modems in its section of the Modem Vendor Forum. +

### Computer Presentations Inc. WINAPB

Computer Presentations Inc. produces a series of image processing applications for the Windows environment including Color Lab and Image Prep, which are supported in the CPI section on the Windows 3rd Party Applications B Forum. +

### Computer Shopper Forum COMPSHOPPER

The *Computer Shopper* Forum is where shoppers go for information about buying computer products. The forum includes buying advice sections for systems, peripherals and software; sections about technology trends; and areas where you can get advice from *Computer Shopper* editors and columnists. Download related threads, buying guides and lists of buying tips. Part of ZiffNet (GO ZIFFNET). +

### Computer Tyme COMPTYME

Computer Tyme supports products such as MarxMenu and the Network Survival Kit in its section of the Novell Vendor A Forum. +

### Concurrent Controls, Inc. NVENA

Concurrent Controls provides support within the Multi-User DOS section of the Novell Vendor A Forum. +

### Connect Software EMCONNECT

Connect Software provides support for E-Mail Connection, a software application to integrate E-Mail systems, in its section of the Windows 3rd Party Applications B Forum. +

### Connectix MACAVEN

Connectix supports its HAND-Off II, MAXIMA, Mode32, MC73 PMMU and Virtual in the Mac A Vendor Forum. +

### CONUG, Inc. NVENA

CONUG provides support within the Multi-User DOS section of the Novell Vendor A Forum. +

### Cool Shoes Software MIDIBVEN

DOS-based interactive music software such as Drummer and Sound Glass is provided and supported by Cool Shoes Software. Visit the MIDI B Vendor Forum for technical support and guidance by the Cool Shoes Software Representatives. +

### Corel Applications Forum CORELAPPS

Join the Corel Applications Forum for technical support of graphics products such as CorelDRAW! 2.x and 3.0, CorelDRAW! for OS/2 and CorelSCSI. Each product has a separate message section enabling representatives from Corel and other expert users to quickly find and answer your questions. A Customer Service section answers non-technical questions, and a Media Relations section contains press releases and information about new products, special contests and events. +

### CoStar Corporation COSTAR

Find support for CoStar Corporation's printing products in the CoStar section of the Mac C Vendor Forum. CoStar develops small specialty printers and software for labels and envelopes including LabelWriter (a palm-sized label printer) and AddressWriter (a printer designed specifically to print envelopes, postcards and labels). +

### Covox COVOX

If you use any of Covox's MIDI/music products such as Speech Thing or Sound Master II, access the MIDI B Vendor Forum to obtain support from representatives from Covox. +

### CP/M Forum CPMFORUM

The CP/M Forum is dedicated to users of the CP/M 8-bit and 16-bit computer operating systems. Members exchange information and discuss problems with other CP/M users. In addition to discussing CP/M itself, programs that run on CP/M computers such as word processors and database programs are discussed. +

### Creative Systems Programming GCPSUPPORT

Creative Systems Programming provides support for Golden Compass, its CompuServe interface developed for OS/2, in the Golden Compass Forum. +

### Crosstalk Forum XTALK

Software products developed and marketed by DCA/Crosstalk Communications are featured in this forum. The forum also offers libraries of data files for use with the products, a conferencing facility, bulletins and a message base for each product. +

### Crystal Graphics GRAPHBVEN

Crystal Graphics supports its line of Desktop Animators and 3D Designer products in its section of the Graphics B Vendor Forum. +

### CTOS/Open Forum CTOS

Unisys provides support for its family of Workstations and its client/server technology in the CTOS/Open Forum. Discuss the latest product information, events, training, marketing news and shareware with CTOS's technical staff and other users. The libraries contain press releases, application tips, schedules of CTOS events, training schedules and documentation listings. +

### Ctrllt Associates PCVENA

Ctrllt Associates supports its full line of products including CTRLALT, CTRLALT PLUS, STACKY and BATUTIL in its section of the PC Vendor A Forum. +

### Cumulus Corporation PCVEND

Cumulus Corporation designs and manufactures a complete line of PCs, custom memory products and mass storage devices. Systems are available in 386sx, 386dx, 486 and other technologically advanced configurations. Find support for these products in the Cumulus Corporation section of the PC Vendor D Forum. +

### Custom Technologies PCVENA

The CheckMate series and Magic Menus are supported by Custom Technologies in the PC Vendor A Forum. +

### DacEasy PCVENB

Rolodex Live, the Lightning Disk accelerating package, DacEasy's complete line of accounting software and the Breakthru 286 accelerator cards are supported by DacEasy in the PC Vendor B Forum. +

### Data Access Corporation Forum DACCESS

Join the Data Access Corporation Forum and investigate software products like DataFlex and OfficeWorks. Here you will find technical support, a library of programs and informative discussions from users of Data Access products. Technical bulletins, programming techniques and training are available when you join the Data Access Corporation Forum. +





**Data Based Advisor Forum** DBADVISOR

Database troubles? Join the Data Based Advisor Forum sponsored by *Data Based Advisor* magazine to hear the latest in database topics, trends, bugs and fixes. Writers, developers and consultants offer advice, help, information and valuable insights. More than 50 vendors participate in offering free and timely product support. In the message sections, members discuss current industry news, database products and development, third party add-ons and consulting issues. Libraries contain source code, demos and product information. +

**Databook Incorporated** DATABOOK

Databook provides support in the Databook section of the Palmtop Forum for its products which support the credit-card size IC memory cards used in palmtop and notebook computers. +

**DataEase International Forum** DATAEASE

Relational databases are easy to build using DataEase's line of products. Even if you have no programming experience, you can learn to use DataEase for DOS or OS/2 or DataEase Express for Windows. Access the DataEase Forum to find out more about DataEase's product line. +

**Datapoint Corporation** DATAPNT

Datapoint Corporation produces LAN and desktop video communications products and telephony services. Obtain support for products such as ARCNET, ARCNETPLUS, INFOSWITCH and MINX in its section of the PC Vendor H Forum. +

**Datastorm Technologies Support Forum** DATASTORM

The Datastorm Technologies Support Forum offers support for users of the ProComm communications products, such as ProComm, PROCOMM PLUS, Procomm Plus Network version and HotWire. Libraries offer communications utilities and help with modem configuration. +

**DaVinci** DAVINCI

DaVinci provides support for DaVinci eMail, an electronic mail handling software product written for a number of platforms in the DaVinci Forum. +

**Daystar Digital** MACAVEN

For technical support or product information on any Daystar Digital product, access the Daystar Digital section of the Mac A Vendor Forum. +

**DBMS Forum** DBMSFORUM

Communicate directly with the authors, editors and readers of *DBMS* by Miller Freeman Publishing, a monthly magazine with 60,000 readers. *DBMS* provides information about client/server databases, application development tools and middleware. Exchange messages and download files to learn more about specific database management products such as SQL Server, Oracle, Informix, Xbase, Access, Paradox, PowerBuilder and SQL Windows. +

**DEC PC Forum** DECPC

The DEC PC Forum is intended for users of Digital Equipment Corporation (DEC) personal computers. Members exchange information, ideas, public domain programs and problems concerning DEC PCs with other members. +

**DEC Users Network** DECUNET

The DEC Users Network contains four forums: the DEC PC Forum (GO DECPC), Digital's PC Integration Forum (GO DECPIC), the PDP-11 Forum (GO PDP11) and the VAX Forum (GO VAXFORUM). +

**Dell Computer Corporation** NVENA

Dell provides support for servers running Novell NetWare in its section of the Novell Vendor Forum. For more information on Dell computers, see the Dell Forum (GO DELL). +

**Dell Forum** DELL

Users of Dell computers should join this forum to learn more about Dell systems such as the Performance EISA, Performance ISA, Dim/Pre Portable and Dim/Pre Tower. A Flash Bios Upgrades section contains the latest bios upgrade for systems that support the Flash Bios function. While in the forum, make suggestions directly to Dell about the computer systems or forum. Information on Dell's line of networking products can be found in its section of the Novell Vendor Forum (GO NVENA). +

**Delrina Technology** DELRINA

Delrina Technology supports its series of form development and facsimile creation products including PerForm, PerForm Pro, PosFAX, WinFax, the Amaze line of calendar products and Opus & Bill, the Screen Saver, in the Delrina Forum. +

**DeltaPoint** MACAVEN or WINAPD

MindWrite, Trapeze, Express, DeltaGraph and Taste are supported by DeltaPoint within its support section of the Mac A Vendor Forum. DeltaPoint also provides support in its section of the Windows 3rd Party Applications D Forum. +

**Deneba Software** MACBVEN

Access the Deneba Software section of the Mac B Vendor Forum for assistance with Canvas, UltraPaint, Spelling Coach Professional, Big Thesaurus and Comment. +

**DeScribe** DESCRIBE

Users of the DeScribe word processor can obtain technical support directly from DeScribe in its section of the PC Vendor A Forum. +

**Designer Template Collections** FORMS

Designer Templates are professionally designed, easily downloadable templates which help users of spreadsheets and word processors produce professional-looking documents, forms and reports, regardless of skill level. Collections are available for a number of applications including Lotus 1-2-3, Microsoft Excel, Borland Quattro Pro and WordPerfect. Part of ZiffNet (GO ZIFFNET). \$

**DesignWare** GRAPHBVEN

DesignWare supports its design products such as My House and 3D Office in its section of the Graphics B Vendor Forum. +

**Desktop Publishing Forum** DTPFORUM

The Desktop Publishing forum provides information and tools for anyone who uses, plays with, or makes their living via electronic publishing, design, advertising, non-fiction writing and/or printing. Forum messages cover hardware, layout, design and printing. A classified ads section is available. The libraries contain utilities, fonts, demos, reviews and "publication quality" desktop publishing templates, photos, and line and clip art. +

**Deutsches Computer Forum** GERNET

The Deutsches Computer Forum provides a place for German-speaking CompuServe members to discuss German-, Swiss- and Austrian-related topics of interest such as sports, politics, games, travel and computers. The libraries are packed with software utilities, calendars of events and hints for navigating through CompuServe—and German-speaking countries. +

**Development Technologies** DEVTECH

Access Development Technologies' section of the OS/2 Vendor Forum to obtain support for DeskMan, its OS/2 workplace shell manager. +

**DiagSoft, Inc** DIAGSOFT

DiagSoft offers PC and Macintosh quality-assurance and diagnostic software products that can help you solve hardware and software problems and assist you in getting optimum performance from your system. Service and support technicians, system integrators, VARs and other users can discuss existing system problems or problems that may occur when installing new components or software. +

**Diamond Computer Systems** DMNDONLINE

Diamond Computer Systems offers graphics adapters and other multimedia products for PCs. Access the Diamond Computer Systems section of the Graphics B Vendor to obtain technical support for Diamond's line of Stealth, Viper and SpeedStar cards. +

**Digital Eclipse** MACDVEN

Digital Eclipse provides support for its sound and microphone products, including OTA and Zounds, in its section of the Mac D Vendor Forum. +

**Digital NT Support Forum** DEC4WNT

Supported by Digital's Multi-Vendor Customer Services Group, the DEC NT Support Forum enables members to post questions and download files to optimize their use of Windows-NT on a variety of platforms such as Digital's Alpha AXP platform. +

**Digital Vision** DIGVIS

Digital Vision offers technical support for its ComputerEyes line of digitizers in the Digital Vision section of the Graphics A Vendor Forum. +

**Digital's PC Integration Forum** DECPIC

Sponsored by Digital's Personal Computing Systems Group (PCSG), this forum provides support for Digital's PC integration software and hardware such as PATHWORKS for DOS, Macintosh, VMS, Ultrix and OS/2. It also provides support for the DECpc family of personal computers and peripherals and the EtherWORKS family of network connectivity products. In this forum, find answers to your questions or just chat with others about PATHWORKS applications. +

**DigitalTalk Forum** DIGITALK

The DigitalTalk Forum provides helpful information about the SmallTalk/V programming language and development environment directly from the staff at Digital and from other users. Members discuss DigitalTalk applications in the Macintosh, DOS, OS/2 and MS Windows environments. Visit the libraries for more tips and general information, periodic digests of the *SmallTalk/V Scoop* newsletter and user group listings. +

**DMC Publishing** ATARIVEN

DMC Publishing supports its full line of products for the Atari including VIP, DynaCadd and Calamus in its section of the Atari Vendors Forum. +

**Domark Software** GRAPHBVEN

Domark Software supports its line of graphics products in its section of the Graphics B Vendor Forum. +

**Dr. Dobb's Journal** DDJ

In the electronic edition of *Dr. Dobb's Journal*, you can gather information about computer languages, tools, utilities, algorithms and programming techniques. In addition, reviews of commercial software development tools and libraries available to the professional microcomputer programmer are presented. You may also submit articles that will be reviewed for use in future publications. +



## **Dr. Neuhaus Forum** NEUHAUS

German-speaking members should join this forum for technical support and information about Dr. Neuhaus communications products. Learn more about how to use Dr. Neuhaus products such as FURY modems, NICCY ISDN modems and FAXY fax boards and CONNY X.25 products. Support is also available for the remote communications software program, Carbon Copy, which is distributed by Dr. Neuhaus. Answers to many common questions are included in the libraries. +

## **Dr. T's** MIDICVEN

Dr. T's supports its products such as Copyist, KCS and X-oR (an editor/librarian product) in its section of the MIDI C Vendor Forum. +

## **DrumTrax** DRUMTRAX

Access DrumTrax's section of the MIDI C Vendor Forum to obtain support for its full line of natural sounding drum patterns. +

## **DSI Software Systems** PCVENE

DSI Software Systems has a complete family of contact management products to match the needs of any IBM-compatible user. Its support representatives are available in the PC Vendor E Forum to answer your questions regarding the entire product line. +

## **DTP Vendor Forum** DTPVENDOR

The DTP Vendor Forum, supported by the same operators of the Desktop Publishing Forum, is available for those who use desktop publishing on the job or just for fun. Members ask questions about their desktop publishers to specific vendors such as Bitstream, CAI/ColorAge, EFI Support, Fontbank, Frame Technology, Hyphen, Monotype, QMS, Scitex, Sigma Designs, Timeworks and XChange or engage in lively discussions with other members who enjoy desktop publishing. While in the forum, visit the libraries to learn more about the vendors and their products. Members of the DTP Forum are encouraged to join for further desktop publishing support. For other DTP vendors, visit the DTP Vendor B Forum. +

## **DTP Vendor B Forum** DTPBVEN

Like the DTP Vendor Forum, the Vendor B forum is available for novice and expert users of desktop publishing systems and equipment. Members ask desktop publishing questions to specific vendors such as Agfa, Casady & Greene, PagePlus, Teletypesetting and TRUMATCH. While in the forum, visit the libraries to learn more about the vendors and their products. Members of the DTP Forum are encouraged to join this forum for further desktop publishing support. For other DTP vendors, visit the DTP Vendor Forum. +

## **Dvorak Development Forum** DVORAK

Access the Dvorak Development Forum to obtain technical support and product information for Dvorak Development's NavCIS Programs. +

## **EETNet** EETNET

The *Electronic Engineering Times* newspaper provides forums for electronic engineers to exchange information and ideas with other engineers and companies. While in EETNet, check out the forums: the Engineering Forum to discuss technical issues and get help for design problems; or the International Forum to talk with engineers in Europe and Asia about professional, cultural and career matters. EETNet also provides headline news from the *EE Times* to brief you on what is happening in the world of electronics, as well as current job opportunities for electronic engineers. +

## **EFI Support** EFISUPPORT

Electronics For Imaging (EFI) provides support for its color management system products such as Cachet Color Editor and EfiColor in its section of the DTP Vendor Forum. +

## **Eicon Forum** EICON

The Eicon Forum discusses Eicon products such as Access for Windows and Access for DOS emulation programs, OSI Gateway, toolkits and routers for many types of communication systems. Members receive technical support for Eicon products from company representatives and other experienced users. A PR/Announcements section in the forum publishes product-release information before it hits the newsstand. Downloadable product reviews and help files are available in the forum libraries. +

## **ELSA Forum** ELSA

If you are seeking information or technical support for ELSA products, visit the ELSA Forum. Here you can learn more about ELSA modems and ELSA graphic cards. In the message areas, ask technical experts questions about these products. In the libraries, download the latest utilities and drivers. +

## **E-Mu Systems** MIDIAVENDOR

Find support for E-Mu Systems in the E-Mu Systems section of the MIDI A Vendor Forum. E-Mu manufactures sampling keyboards such as the Emulator III, EIII, and Emax. E-Mu also manufactures sample ROM-based products such as Proteus 1 (Pop Rock), Proteus 2 (Orchestral), Proteus 3 (World), Procussion, the Master Performance System and Proformance Piano Module. +

## **Enable Software, Inc.** PCVENA

Enable Software supports ENABLE in the PC Vendor A Forum. ENABLE is a five-function integrated product for the IBM PC and compatible computers. +

## **Engineering Automation Productivity Forum** LEAP

The Engineering Automation Productivity Forum, sponsored by the League for Engineering Automation Productivity (LEAP), hosts discussions about CADD/CAM and other programs that are used by engineers, architects and other professionals for computer-aided design. Members help one another find the right software programs for specific applications and draw from their own expertise to offer tips and techniques on using the programs. The libraries are also full of articles about engineering technology and software applications. +

## **Environmental Systems Research Institute** ESRI

ESRI provides support for its geographic information systems and related CAD programs including ARC/INFO, ArcCAD and ArcView in the CADD/CAM/CAE Vendor Forum. +

## **Epson America Forum** EPSON

Sponsored by Epson America, Inc. and operated by Epson's product support staff, the Epson America Forum welcomes users of Epson products. The Epson America Forum provides members with information and support for Epson products such as printers, scanners, microcomputers and application software. The libraries contain setup software, drivers, switch settings, product bulletins, technical notes, press releases, news and other helpful and interesting information. +

## **European Forum** EURFORUM

The European Forum provides information on PCs and compatibles specific to Europe. Four forum sections are each dedicated to a different European language: French, Swedish, Spanish or Italian. The forum contains information on accessing CompuServe from Europe, answers to questions regarding modem configuration and software needs, and general issues and questions of interest to European users. +

## **Eventide** EVENTIDE

Eventide patented the original "harmonizer" which allows vocalists to create harmony parts in performance. Eventide representatives are providing technical support within the MIDI A Vendor Forum. +

## **Evolution Computing** EVOLUTION

Evolution Computing provides support for its DOS-based computer-aided design products, EasyCAD and FastCAD, in the EasyCAD/FastCAD section of the CADD/CAM/CAE Vendor Forum. +

## **Ex Machina, Inc.** MACAVEN

Support for Notify!, a link between System 7-savvy Mac programs and pocket pagers via a modem and standard commercial paging services, can be found in the Mac A Vendor Forum. Representatives are available online to provide technical assistance. +

## **Executives Online** EXEC

The Executives Online forum gives you direct access to industry leaders who visit to discuss new products, company strategies and industry issues. Past guests have included Borland's Philippe Kahn, Dell's Michael Dell, Microsoft's Mike Maples and IBM's OS/2 2.0 team led by Lee Reiswig. Part of ZiffNet (GO ZIFFNET). +

## **Expert Choice** PCVENI

Expert Choice provides support for its decision support software package in its section of the PC Vendor I Forum. This software helps structure and evaluate decision problems, prioritize alternatives and perform graphical sensitivity analyses. +

## **Faircom** PCVENF

Faircom supports CTree and CTreePlus in its section of the PC Vendor F Forum. +

## **Farallon** FARAPC or FARAMAC

Access the Farallon section of the PC Vendor E Forum to get support for the PhoneNET system and Timbuku. Farallon also supports its complete line of Macintosh products within its section of Mac C Vendor forum. +

## **FAST Electronic** MULTIBVEN

FAST Electronic supports its multimedia products such as Hardlock, Screen Machine, Digital Machine and Video Machine in its section of the Multimedia B Vendor Forum. +

## **Federation of International Distributors (FID) Forum** FEDERATION

The Federation of International Distributors, an association of international Macintosh, OS/2, Windows, NeXT, UNIX and MS-DOS distributors and republishers, provides this forum for its members to discuss industry concerns and establish international business protocol standards with members of the International Managers' Club (IMC). Upcoming Federation events are posted in the message section. This forum also serves as a resource for developers and manufacturers seeking qualified international distributors for marketing their products. +

## **Fine Art Forum** FINEART

Paintings and sculpture from artists past and present can be found in the Fine Art Forum. Featured are works from pre-Raphaelite artists like Rubens, contemporary artists such as Van Gogh and Gunni Nilsson Price, and science-fiction and fantasy artists. Discussions in the Fine Art Forum range from artists' impressions of others' work to the style of being an artist. +

## **1st Class Peripherals** APIIVEN

Obtain support for 1st Class Peripherals' line of expansion boards and hard disk subsystems for Apple II computers in its section of the Apple II Vendor Forum. +



## **The FocServices FocForum** FOCSERVICES

The FocServices FocForum provides educational course schedules, marketing information and publication articles about using the FOCUS programming language. The message and library sections are divided by United States regions such as Northeast, Northwest and Western and include sections for Canada and International so you can easily find educational seminar and course schedules taking place in your area. The Documentation section contains discussions on documentation enhancements. Another section, Systems Journals, contains downloadable codes enabling you to read back issues of *Focus Flash*. For more information about FOCUS products, see FocWizards FocForum (FOCWIZARDS), FUSE Forum (FUSE) and The FOCUS Connection (FOCUS). +

## **The FOCUS Connection** FOCUS

The FocConnection, sponsored by Information Builders Inc., is an online information service that links IBI and users of the FOCUS programming language. A variety of support services are available in the FocConnection such as technical databases, monthly updates about coming features and software development, educational course schedules and two technical support forums. For more information about the FOCUS forums, see FocWizards FocForum (GO FOCWIZARDS), The FocServices FocForum (FOCSERVICES) and FUSE Forum (FUSE). +

## **Focus Enhancements** MACDVEN

Obtain support for Focus Enhancements' line of graphics cards, monitors and accelerator cards in its section of the Mac D Vendor Forum. +

## **FocWizards FocForum** FOCWIZARDS

If you cannot find the answer to your question about using the FOCUS programming language, ask one of the FOCUS gurus in the FocWizards forum. The message sections include topics such as using FOCUS for report preparation, database design, file maintenance and Level5. Ask your question in the appropriate message section and a sysop or another FocWizard will reply with the answer. For additional FOCUS support, see The FocServices FocForum (FOCSERVICES), FUSE Forum (FUSEFORUM) and The FOCUS Connection (FOCUS). +

## **Folio Corporation** FOLIO

Access Folio's section of the Novell Vendor A Forum to obtain support for Folio's line of software products such as MailBag and Views. +

## **FontBank** FBANK

FontBank produces a complete line of fonts for the desktop publishing and word processing markets. Support is provided for the fonts in the FontBank section of the Desktop Publishing Vendor Forum. +

## **Foresight Corporation** PCVENA

Support for Drafix Windows CAD, Drafix CAD Ultra, Otto and Drafix CAD Overlay is provided by Foresight in the PC Vendor A Forum. +

## **Forth Forum/Creative Solutions** FORTH

This forum is sponsored by Creative Solutions, Inc., to support its Forth products and to answer all general Forth questions. Forth is a powerful but compact programming language well-loved by programmers. +

## **Frame Technology** DTPVENDOR

Frame Technology provides support for FrameMaker, its desktop publishing product, in the Frame Technology section of the DTP Vendor Forum. +

## **Frontier Technologies** FTCSUPPORT

Frontier Technologies provides support for its networking program Super-TCP for Windows in its section of the Windows 3rd Party Applications B Forum. +

## **FrontLine Software** PCVENJ

FrontLine Software supports its electronic mail and Clipper programming products in the PC Vendor J Forum. +

## **Fujitsu** PCVENJ

Fujitsu supports its line of hard disks, optical and tape drives, printers and scanners in the PC Vendor J Forum. +

## **Funk Software** FUNK

Funk Software provides technical support for its products including Sideways, Worksheet Utilities, P.D. Queue, Formula Editor, Noteworthy, AppMeter and Proxy within the Funk Software section of the PC Vendor F Forum. +

## **FUSE Forum** FUSE

The FOCUS Users Group (FUSE) Forum is primarily for discussions among FOCUsers about FOCUS and related topics. In the message sections, members can ask one another questions about programming techniques using the FOCUS language and share trouble-shooting and problem-solving tips. A Fuseviews section is available for members to share opinions about FOCUS Users Group topics of interest. For more information about FOCUS forums, see FocWizards FocForum (GO FOCWIZARDS), The FocServices FocForum (GO FOCSERVICES) and FOCUS Connection (FOCUS). +

## **Future Soft Engineering** DYNACOMM

Future Soft Engineering, Inc. provides support for its multiple platform communications software including DynaComm Asynchronous Edition and DynaComm Synchronous Edition for 3270 communications in the Future Soft section of the Windows 3rd Party Applications A Forum. +

## **Future Trends Software** PCVENI

Future Trends Software supports its line of consumer-oriented software such as EZLanguage, EZShopper and EZCosmos in its section of the PC Vendor I Forum. +

## **Futurus Corporation** FUTURUS

Futurus supports its TEAM product line in its support section of the PC Vendor G Forum. +

## **Gadgets By Small, Inc.** ATARIVEN

In the Atari Vendors Forum, Gadgets By Small supports its Macintosh Plus emulator for the Atari ST series computer, the Spectre 128. +

## **GammaLink** PCVEND

GammaLink provides product support for its GammaLink Network-Ready Micro-Processor Based Fax Boards and GammaLink Software in its section of the PC Vendor D Forum. +

## **Gateway 2000** GATEWAY

Gateway 2000 representatives support Gateway's full line of IBM compatible microcomputers including 286/16, 386SX-16, 386SX-20 cache, 386-25, 386-33 cache, 486-25 cache and 486-33 cache systems within the Gateway 2000 Forum. +

## **GCC Technologies** MACBVEN

Find technical support from GCC Technologies within its support section of the Mac B Vendor Forum. Some of the products supported include GCC's complete line of hard disk drives, QuickEnvelope, QuickSpool II and Headliners. +

## **Geffen Records** GEFREN

Find out tour information or release dates for your favorite Geffen artist in Geffen Records' section of the Music Vendor Forum. +

## **Genoa Systems** GRAPHBVEN

Genoa Systems supports its graphics and video boards in its section of the Graphics B Vendor Forum. +

## **Genus Inc.** GENUS

Genus Inc. provides support for its full line of graphics programming toolkits in the Genus section of the Graphics A Vendor Forum. +

## **Geographix** WINAPA

Geographix produces a series of seismographic and geological analysis applications for the Windows environment including SeisMap, which are supported in the Geographix section of the Windows 3rd Party Applications A Forum. +

## **GFA Software** GFASOFT

GFA sponsors a section in the Windows 3rd Party Applications C Forum to support its GFA-BASIC, a Basic development tool for the Windows environment. +

## **Gilbert & Associates** VIEWZ

Gilbert & Associates produces and supports VIEWz, a professional productivity and document management software package for the Windows environment, in the Gilbert & Associates section of the Windows 3rd Party Applications C Forum. +





### **Global Softworks Ltd.** GSLSUPPORT

Global Softworks provides support for its GeoClips clip art packages in the Graphics A Vendor Forum. GeoClips packages provide over 250 pieces of high quality original and public domain clip art for GeoDraw, suitable for both business or personal use. +

### **Global Village Communications** GLOBAL

Global Village Communications provides support for PowerPort and TelePort in its section of the Modem Vendor Forum. +

### **GO Corp.** GOCORP

Find support for GO Corp's PenPoint operating system software for pen-based computers in the GO Corp. section of the Pen Technology Forum. +

### **The 'GO GRAPHICS' Tutorial** PIC

If you are new to CompuServe or to graphics forums, access the 'GO GRAPHICS' tutorial. Through the online tutorial you can learn about graphics, GIF, the Graphics Forums and your computer. Extensive lessons geared towards the graphics novice or newcomer to the Graphics Forum help users spend their time online more efficiently. Included in the Tutorial are specific directions on downloading, viewing and converting images to and from the GIF format. In 'GO GRAPHICS' News, you can read about the latest happenings in the Graphics Forums such as new sections and upcoming conferences.

### **Gold Disk** GOLDDISK

Gold Disk produces desktop presentation and business productivity products for a series of platforms including Windows, DOS, Macintosh and Amiga. Its products include Professional Draw, Animation Works Interactive and ScreenCraze for Windows. Gold Disk supports its series of products in its section of the Windows 3rd Party Applications C Forum. +

### **Gold Hill** GOLDHILL

Gold Hill produces a series of expert system development tools for the Windows environment including GoldWorks III, GoldWorks II and GCLISP. Gold Hill provides support for its line of products in its section of the Windows 3rd Party Applications C Forum. +

### **Gpf Systems** GPFYSYS

Gpf Systems supports its products such as Gpf and GpfRexx in its section of the OS/2 Vendor Forum. +

### **Graphics A Vendor Forum** GRAPHAVEN

The Graphics A Vendor Forum provides support from manufacturers of graphics hardware and software products. Company representatives from graphics vendors are available online to answer questions on the installation and use of their products and to offer tips to help you get the most out of your investment. This forum includes the following companies: ATI Technologies, Digital Vision, Genus Inc., Global Softworks Ltd., Graphics Software, Inc., Image-In, Inc., Inset Systems, Inc., Jovian Inc., Mathematica, Inc., Metagraphics Software Corp., Pacific Motion, Paul Mace Software, Rix Softworks, STB Systems, TEGE Systems Corp. and Virtual Reality Laboratories, Inc. See each vendor's individual description within this section for a list of supported products. Support from other graphics vendors can be found in the Graphics B Vendor Forum (GO GRAPHBVEN). +

### **Graphics B Vendor Forum** GRAPHBVEN

The Graphics B Vendor Forum provides support from manufacturers of graphics hardware and software products. Company representatives from graphics vendors are available online to answer questions on the installation and use of their products and to offer tips to help you get the most out of your investment. This forum includes the following

companies: Animated Software, Appian, Crystal Graphics, DesignWare, Diamond Computer Systems, Domark, Genoa, Hercules Computer Technology, Inc., HSC, LEAD Technologies, Matrox, Solana, StereoGraphics, Sun Country Software, Tseng Labs, and Volante. See each vendor's individual description within this section for a list of the products each supports. Support from other graphics vendors can be found in the Graphics A Vendor Forum (GO GRAPHAVEN). +

### **Graphics Corner Forum** CORNER

Find photograph-quality scanned images in the Graphics Corner Forum. These images show off the quality of GIF to its fullest. Images in the libraries include people and portraits; domestic and wild animals; nature scenes such as mountains, seas, flowers and trees; cars, boats, planes; landmarks; space and astronomy and much more. The message boards are active with discussions of the images' backgrounds. +

### **Graphics Developers Forum** GRAPHDEV

Find images created by special computer programs (and the programs themselves) in the Graphics Developers Forum. Fractals, raytracing (including POV-Ray), morphing, animation and virtual reality workgroups hold active discussions and conferences on the state of the art and the future of computer graphics. +

### **Graphics File Finder** GRAPHFF

Browsing through the Graphics Forums files has never been easier. The Graphics File Finder is a comprehensive keyword searchable database of files found in the Graphics Forums. Participating forums include the Computer Art Forum, Fine Art Forum, Graphics Corner Forum, Graphics Developers Forum, Graphics Gallery Forum, Graphics Plus Forum, Graphics Support Forum, Graphics A Vendor Forum, Graphics B Vendor Forum and the Quick Pictures Forum. The Graphics File Finder enables you to search for files by topic, file submission date, forum name, file type, file extension, file name or submitter's user ID number. +

### **Graphics Forums** GRAPHICS

The Graphics Forums contain 10 forums: Computer Art Forum (GO COMART), Fine Art Forum (GO FINEART), Graphics Corner Forum (GO CORNER), Graphics Developers Forum (GO GRAPHDEV), Graphics Gallery Forum (GO GALLERY), Graphics Plus Forum (GO GRAPHPLUS), Graphics Support Forum (GO GRAPHSUPPORT), Graphics A Vendor Forum (GO GRAPHAVEN), Graphics B Vendor Forum (GO GRAPHBVEN) and the Quick Pictures Forum (GO QPICS). An introduction to graphics is also provided, along with a Graphics File Finder (GO GRAPHFF). +

### **Graphics Gallery Forum** GALLERY

The Graphics Gallery Forum features online image collections from such renowned sources as the Smithsonian Institute, the National Aeronautics and Space Administration, the United States Department of Agriculture, and tourism agencies throughout North America. +

### **Graphics Plus Forum** GRAPHPLUS

If you are interested in truecolor images, stored in popular formats such as JPEG, TIFF, Targa and Windows BMP, you can find them in the Graphics Plus Forum. With over 16 million colors per image, the photos, hand-drawn and computer-generated graphics in this Forum truly are works of art. +

### **Graphics Software, Inc.** BIGD

Graphics Software provides support for its graphics program BIG-D in the Graphics A Vendor Forum. BIG-D provides realistic renderings for AutoCAD users and performs texturemapping, shadow-casting and light-sourcing tasks. +

### **Graphics Support Forum** GRAPHSUP

The Graphics Support Forum is the primary source for programs that work with GIF images. Here you can find GIF viewers, format converters, paint programs and GIF analysis tools. The official GIF specification, released by CompuServe, is in this Forum. This Forum is where many questions on graphics can be answered, and a workgroup on copyright issues and artists' rights has recently been formed. +

### **Greenleaf Software** GREENLEAF

Greenleaf Software provides online technical support and information for its products such as CommLib and Comm++ in the Greenleaf section of the PC Vendor B Forum. +

### **Greenview Data** PCVENI

Greenview Data supports its line of universal file editors such as VEDIT, VEDIT Jr., VEDIT Plus and VSPELL in its section of the PC Vendor I Forum. +

### **Gribnif Software** ATARIVEN

Gribnif supports its full line of Atari products, including X-Boot, STalker 3, Crazy Dots, CardFile 3 and Arabesque Professional in the Gribnif section of the Atari Vendors Forum. +

### **GRiD Systems** GRID

Find support for GRiD Systems' GRiDPad pen computer line and PenRight! graphical application development platform in GRID's section of the Pen Technology Forum. +

### **Gupta Forum** GUPTA

Gupta supports its PC client/server system software products in the Gupta Forum. Gupta's products include SQLBase, SQLNetwork, SQLWindows and Quest. +

### **Hardware Forums** HARDWARE

Hardware Forums enable users of particular hardware to exchange ideas. Many forums provide interaction with hardware manufacturers and include extensive libraries which contain software programs.

### **Harvard Associates, Inc.** LOGOFORUM

Harvard Associates provides support for its Logo products such as PC Logo and Valiant Turtle in the Harvard Associates section of the Logo Forum. +

### **Hayes Online** HAYES

You'll find the latest information on Hayes and its hardware and software products in Hayes Online. Learn first-hand about Hayes product introductions, upgrades and pricing. Full product descriptions, special support programs and the Hayes Support Forum are contained in separate sections within this area. +

### **Hayes Support Forum** HAYFORUM

In the Hayes Support Forum, members receive online technical support for Hayes products such as Smartcom, Smartmodems, ULTRA/OPTIMA, ACCURA, personal modems and JT Fax. Members share their knowledge and experiences with Hayes products and trade hints on installing, configuring, programming and using both the communication hardware and software. +

### **hDC Computer Corp.** WINAPA

hDC Computer Corporation produces a complete line of utilities for the Windows environment including hDC File Apps, hDC First Apps, hDC Icon Designer, hDC Power Launcher and hDC Windows Express. These products are supported in the hDC section of the Windows 3rd Party Applications A Forum. +



## **Helix Software** HELIXSOFT

Helix supports Connecting/ROOM, HEADROOM and NETROOM in its support section of the PC Vendor G Forum. +

## **Helix Technologies** MACDVEN

Helix Technologies provides support for its networking products such as Helix Express in the Helix section of the Mac D Vendor Forum. +

## **Help Desk Institute Online** HELPDESK

Where do help desk professionals go when they need help? They visit the Help Desk Institute Online where they can exchange ideas with other support professionals and get information on the hottest products and issues affecting the support industry. Plus, it provides a direct link to the support experts at the Help Desk Institute, with information on conferences, seminars and local chapters in your area. Part of ZiffNet (GO ZIFFNET). +

## **Hercules Computer Technology, Inc.** HERCULES

Find support for Hercules' video/graphics boards, adapters and Windows accelerator products in the Hercules section of the Graphics B Vendor Forum. +

## **Hilgraeve** HILGRAEVE

Technical Support representatives from Hilgraeve are available to answer your questions regarding HyperACCESS/5, a DOS and OS/2 communications package, within its support section of the PC Vendor F Forum. +

## **HockWare** HOCKWARE

HockWare, a publisher of visual programming applications for OS/2, provides support for VisPro/REXX in its section of the OS/2 Vendor Forum. +

## **Hooper International** PCVENC

TAKIN' CARE OF BUSINESS and CHEQUE-IT-OUT are supported by Hooper International in its support section of the PC Vendor C Forum. +

## **Howling Dog** MIDICVEN

Access Howling Dog's section of the MIDI C Vendor Forum to obtain support for its line of music creation products such as Power Chords. +

## **HP Handhelds Forum** HPHAND

Covering all the HP calculators and handheld computers, including the 95LX and 100LX Palmtop PCs, the HP Handhelds Forum offers lively discussion on all aspects of these powerful portable systems for everyone from new users to experts. The forum's libraries contain a wide variety of shareware to help you get the most from your palmtop computer. +

## **HP OmniBook Forum** HPOMNI

Share information with other users about the HP OmniBook "superportable" PC in the HP OmniBook Forum. Forum members can answer your hardware or software questions, as well as provide tips for getting the most from this lightweight "road warrior." +

## **HP Peripherals Forum** HPPERIPHERALS

Desperately seeking DeskJet drivers? Looking for LaserJet labels in all the wrong places? Pining for plotter pens? Then join the HP Peripherals Forum to tap the combined expertise of thousands of other HP users. In the forum, you'll also have access to drivers, application notes and other tidbits provided by HP. The libraries and message boards also contain utilities and tips provided by other forum members. +

## **HP Specials** HPSPECIAL

For items that do not "fit" in any other forum, HP Specials is a grab bag of files, drivers, and special offers for CompuServe members. +

## **HP Systems Forum** HPSYSTEMS

Interested in HP computers, mass storage devices, EtherTwist LAN hardware, OpenView LAN software, NewWave or DashBoard? Then access the HP Systems Forum to discuss these and other products. +

## **HSC Software** GRAPHBVEN or MULTIVEN

HSC Software supports its line of graphics products in its section of the Graphics B Vendor Forum. HSC also provides support in the Multimedia Vendor Forum. +

## **Hyperkinetix, Inc.** PCVEND

The Hyperkinetix section of the PC Vendor D Forum provides support for The BUILDER and DeltaFile. +

## **Hyperware** PCVENB

Need information on speeding up a hard disk? Hyperware provides support for its line of disk caching products such as HyperDisk in its section of the PC Vendor B Forum. +

## **Hyphen** HYPHEN

Hyphen provides support for its line of raster image processors for the desktop publishing market in the Hyphen section of the Desktop Publishing Vendor Forum. +

## **Hyundai** HYUNDAI

Hyundai sponsors a message and library section in the PC Vendor E Forum to provide technical support for its full product line. Representatives from Hyundai are online and can provide you with quick, up-to-date answers and information. +

## **IBM Applications Forum** IBMAPP

The IBM Applications Forum addresses core applications for the PC including word processing, database management, business and personal accounting, business graphics, desktop publishing and educational software. You'll find thousands of downloadable programs in the libraries of this forum. Many industry experts participate in lively discussions on the forum message board. +

## **IBM Bulletin Board Forum** IBMBS

The IBM Bulletin Board Forum provides information about bulletin boards for IBM PCs and compatibles. Messages and libraries cover uploads, BBS programs, utilities, standards, doors, BBS management, hardware, user questions and answers and more. Libraries also contain listings of BBS's and BBS notices. +

## **IBM CAD** IBMCAD

Access the CADD/CAM/CAE Forum for support for IBM CAD, a full-function Computer Aided Design and Drafting system with 3D wireframe capabilities for 286 and up IBM compatible machines operating under DOS or OS/2. +

## **IBM CAD/CAM Forum** IBMENG

Obtain support for Catia and Cadam, IBM's CAD/CAM application products, in the IBM CAD/CAM Forum. The message areas enable you to talk directly with technical experts and the libraries enable you to download information on these applications. +

## **IBM Communications Forum** IBMCOM

This forum is devoted to the topic of telecommunications on the IBM personal computer and compatible computers. Public domain and commercial communications programs are supported. +

## **IBM File Finder** IBMFF

IBM File Finder is an online comprehensive keyword searchable database of file descriptions found in the most popular IBM-related forums. It was designed to provide quick and easy reference to some of the best programs and files available in the following forums: Adobe, APPC Information Exchange Forum, Autodesk AutoCAD Forum, Autodesk Retail Forum, Autodesk Software Forum, Banyan Patchwork Forum, Borland Applications, Borland C++/DOS Forum, Borland C++/Windows Forum, Borland Database Products, Borland Developers Tools, Borland GmbH, Borland Pascal, CA Applications, CA Clipper, CA Clipper Germany, CA Micro Germany, CA Professional Solutions, Clarion, Crosstalk, Data Based Advisor, DataEase International, Datastorm Technology, DaVinci, Delrina Forum, Desktop Publishing Forum, Deutsches Computer, DTP Vendor Forum, Fox Software, Graphics Support Forum, HP Handhelds, HP Peripherals, HP Systems, IBM Applications, IBM Bulletin Board, IBM Communications, IBM Desktop, IBM Hardware, IBM LMU/2, IBM New Users, IBM OS/2 Developer 1 and 2, IBM OS/2 Support, IBM OS/2 Users, IBM OS/2 Vendors, IBM Programming, IBM Special Needs, IBM Systems/Utilities, IBM ThinkPad, IBM Ultimedia Hardware, IBM Ultimedia Tools Series A and B, LDC Spreadsheets, LDC Word Processing, LDC Words & Pixels, Lotus GmbH, Markt und Technik Forum, Microsoft Applications, Microsoft Basic, Microsoft Client Server Computing, Microsoft DOS 5.0, Microsoft Excel, Microsoft Languages Forum, Microsoft Windows, MIDI/Music, MIDI A through C, Modem Vendor, MS Central Europe Forum, Music and Performing Arts Forum, Novell Library, Novell User, Novell Vendor, Office Automation, Other Banyan Patchwork, PC Vendor A through I, PC World, PSP Beta Forum, Quarterdeck Office Systems, Siemens Automatisierungs, Sight and Sound, STAC Electronics Forum, Symantec Anti-Virus, Symantec Applications, Symantec Development Tools, Symantec FGS, Symantec Utilities, TAPCIS, UK Share, UK Vendor, Vines 4.X and 5.X Patchware, Windows Fun, Windows Shareware, Windows 3rd Party A through E, WordPerfect Users, WUGNET and Zenith Data Systems. You can search by topic, file submission date, forum name, file type, file extension, file name or submitter's user ID. +

## **IBM Hardware Forum** IBMHW

The major theme in the IBM Hardware Forum is the discussion of the various products available for the PC. The PC world changes rapidly, and keeping up to date on new developments and sharing experiences with certain products make purchasing decisions easier. In the libraries are hardware-related programs and reviews of new and useful products. +

## **IBM ImagePlus Forum** IBMIMAGE

ImagePlus, IBM's image processing system, is fully supported in the IBM ImagePlus Forum. Obtain support for IP/2 (ImagePlus for OS/2), IP/AS400 (ImagePlus for AS400) and IP/MVS (ImagePlus for MVS) in the message areas and libraries. +

## **IBM LMU2 Forum** LMU2FORUM

Through this forum, IBM supplies you with a direct communication route to the IBM LAN Management Utilities/2 (LMU/2) development team. IBM representatives provide support for LMU/2 functions such as operations, configuration, performance and fault management. Converse with other users who are experienced in using the LMU/2 and who have written their own applications to supplement those supplied by IBM. Additionally, the LMU/2 development team welcomes suggestions on enhancing the current LMU/2 functions. Detailed information about this product can be viewed or downloaded from the forum's libraries. +

## **IBM New Users/Fun Forum** IBMNEW

If you are just getting started with your IBM, either in the world of communications or using the CompuServe forums, this is the forum for you. You will find lots of helpful hints from expert users and sysops, plus many entertainment programs. +





### **IBM Office Desktop Forum** IBMDESK

The IBM Office Desktop Forum is for users and potential users of IBM PRGS applications. The forum includes a calendar of events as well as support for the following products: AdStar, Current-OV, DisplayWrite, Personal AS/2, and Time and Place/2 Calendar. +

### **IBM OS/2 Developer 1 Forum** OS2DF1

If you are interested in developing software for your IBM using the OS/2 environment, join this forum to gain technical support. One of two developer support forums, this forum hosts discussions about topics such as development tools, debugging techniques and specific OS/2 development products. Sections are also available for you to make product suggestions directly to IBM and download IBM files. For additional developer support, see the IBM OS/2 Developer 2 Forum (GO OS2DF2). +

### **IBM OS/2 Developer 2 Forum** OS2DF2

The IBM OS/2 Developer 2 Forum is one of two forums for developers of IBM software for the OS/2 environment to obtain technical support. In this forum, developers ask IBM representatives and other members questions about developing programs for specific applications such as for a LAN server, CD-ROM or database. For additional developer support, see the IBM OS/2 Developer 1 Forum (GO OS2DF1). +

### **IBM OS/2 Support Forum** OS2SUPPORT

The IBM OS/2 Support Forum enables you to obtain support directly from IBM, as well as from other members, for your OS/2 applications. Find information about installation, hardware requirements and converting your DOS and Windows applications. For additional user support, see the IBM OS/2 User Forum (GO OS2USER). +

### **IBM OS/2 User Forum** OS2USER

The IBM OS/2 User Forum enables users of the OS/2 operating system to discuss with one another topics such as hardware requirements and applications. New users are welcome to draw on the knowledge of more experienced users. Also a Fun & Games section is full of games that can be downloaded to your computer. For support from IBM, see the IBM OS/2 Support Forum (GO OS2SUPPORT). +

### **IBM PC Users Network** IBMNET

This area is devoted to the topic of the IBM Personal Computer and IBM PC compatibles. It includes a wide variety of special interest forums that address the needs of both new and expert users. +

### **IBM Personal Software Products**

#### **IBMPS**

Visit the IBM Personal Software Products (PSP) Store to find the latest demo or information on the OS/2 operating system. In this area find press releases, upcoming events, how to order OS/2 and sources for technical support. +

### **IBM Personal Software Products Beta Forum** PSPBETA

Join IBM's Personal Software Products Beta Forum to obtain support for the latest beta version of OS/2. From the library you can download patches and fixes for various areas of OS/2 beta versions. In the message center you can consult IBM's technical staff. The sections in the message area and libraries are constantly changing as releases are made available, so review the entries frequently. +

### **IBM Programming Forum** IBMPRO

If you are interested in programming for the IBM PC or compatible, the IBM Programming Forum is for you. IBMPRO contains assemblers, source codes in a variety of languages, and help from other programmers. Experienced programmers will find valuable information, and beginners will discover hints, tips and tutorials. +

### **IBM Software Solutions Forum** SOFSOL

The IBM Software Solutions Forum enables users of products such as the Cross System Product Family of Products, Interactive System Productivity Facility, Program Development Facility and BookManager Family of Products, to obtain support from technical experts. IBM Software Solutions enables those in a client/server environment to model and develop integrated customer application solutions and manage information systems and software assets. +

### **IBM Storage Systems Forum** IBMSTORAGE

IBM Storage Systems provides this forum to support ADSTAR, its distributed storage manager. ADSTAR provides storage management and data access services to customers in multimedia environments. You can also discuss ADMS, the special program beta test, in the message areas of this forum. +

### **IBM Systems/Utilities Forum** IBMSYS

In this forum you'll find the latest and greatest in general utilities and information on the various operating systems and environments available for the IBM-PC including multitasking and OS/2. In the libraries, you'll find various programs including DOS additions and improved DOS utilities, as well as resident desktop utilities and all those small programs that make living with a PC easier. Download many popular shareware programs including menu programs, file managers and disk managers. +

### **IBM ThinkPad Forum** THINKPAD

Thinking about programming your own software for your IBM ThinkPad pen computer? Then think about joining this forum. The IBM ThinkPad Forum enables programmers developing their own software applications to speak directly with IBM personnel, as well to share information with one another. The hardware section of the message board and libraries features topics about the pen, hardware availability and ThinkPad experiences. The software section features information about software already available for ThinkPad such as PenCentral programs and IBM Handwriting, a handwriting recognition program for easier translation. +

### **ICD, Inc.** ATARIVEN

ICD supports the following products for the Atari 8 bit computer: US Doubler, P.R. Connection, ACTION!, The ACTION! Toolkit, MAC/65, The MAC/65 Toolkit, BASIC XL, The BASIC XL Toolkit, BASIC XE, SpartaDOS Construction Set, The SpartaDOS Toolkit, Printer Connection, RAMBP XL, Multi I/O, FlashBack!, R-Time 8 and hard disk drives. The following products for Atari ST and MEGA ST computers are supported in this same section of the Atari Vendor Forum: Personal PASCAL version 2.0, BBS Express! ST, ICD ST Host Adapter, ICD Host/Controller Kits, Complete hard drive kits and FAST hard drives. +

### **Identitech, Inc.** PCVENG

Identitech supports AIMS, FYI, ISVS and LOFS in its support section of the PC Vendor G Forum. +

### **Image-In Incorporated** IMAGEIN

Image-In provides support for its premier color and grayscale image processing toolkits, Image-In-Color and Image-In-Color Professional, in the Image-In section of the Graphics A Vendor Forum. +

### **Impulse, Inc.** AMIGAVENTOR

Impulse, Inc. supports its full Amiga product line including Imagine, Terrain and VD1 in the Amiga Vendor Forum. +

### **Infinite Technologies** INFINITE

Infinite Technologies develops software solutions designed primarily for network environments. Access the Infinite Technologies section of the Novell Vendor A Forum to find more information on these products. +

### **InfoAccess (Windows)** WINAPB

InfoAccess produces and supports Guide, a file management application for the Windows environment, in the InfoAccess section of the Windows 3rd Party Applications B Forum. +

### **InFocus Systems** MULTIBVEN

InFocus Systems supports its line of presentation/projection systems for the PC and Mac in its section of the Multimedia B Vendor Forum. +

### **Inline Software** MACCVEN

Inline Software supports its full line of Macintosh products within its section of the Mac C Vendor Forum. Inline's products include Darwin's Dilemma and Tesseract (color puzzle games), Cliff Johnson's 3 in Three and Swamp Gas Visits the United States of America. +

### **Inmagic Inc.** INMAGIC

Access the Inmagic section of the PC Vendor B Forum to obtain support for its text database products. Talk directly with representatives from INMAGIC about any of its products, including INMAGIC Plus. +

### **Inmark** INMARK

Inmark's products, such as zApp, make your GUI programming easier. Obtain support for zApp and other Inmark products in its section of the Windows 3rd Party Applications D Forum. +

### **Innovative Data Concepts** IDCSUPPORT

Innovative Data Concepts offers full support services for its product line in the PC Vendor C Forum. IDC's SWAP Utilities programs, SWAPDOS and TesSeRact Development Tools are supported within the forum. +

### **Innovative Quality Software** MIDICVEN

Obtain support for Innovative Quality Software's hard disk editor, Software Audio Workshop (SAW) in its section of the MIDI C Vendor Forum. +



**Inovatronics** AMIGAVENTOR

Inovatronics' product list includes PowerWindows 23.5, C.A.P.E. 68K 2.5, InovaTools1 and CanDo. These products are supported within Inovatronics' support section of the Amiga Vendor Forum. +

**Inset Systems Inc.** INSET

Inset Systems supports its graphics product line in the Inset section of the Graphics A Vendor Forum. Inset products include HIJAAK, graphics format conversion software; Inset Colorsep, used to create color separations from many formats of computer graphics images; and the Inset graphics inserter software for word processors. +

**Insignia Solutions** MACDVEN

Access the Mac D Vendor Forum to obtain support for Insignia's products, such as SoftPC. Insignia produces emulation solutions products to run Microsoft Windows and MS-DOS on UNIX-based workstations and Macintosh Computers. +

**Intel Forum** INTELFORUM

The Intel Forum offers support for Intel PC and LAN Enhancement products such as modems, fax/modem boards, math coprocessors and CPUs including the Intel Pentium and OverDrive processors and the Intel Smart Video Recorder. In the forum, obtain support for Intel's LAN adapters, management and utility tools, fax/print servers and backup servers. In the libraries, find the latest drivers, software revisions, and 600+ product information and troubleshooting documents. In the message section, query Intel's technical support staff and other users about compatibility and other product issues. +

**Intel Software Developers Forum** INTELACCESS

The Intel Software Developers Forum, sponsored by the Intel Access program, provides a place for software developers to obtain support from Intel for its microprocessors and multi-media technologies. +

**Intelligent Micro Software, Ltd.** MDOS

Intelligent Micro Software provides support within the Multi-User DOS section of the Novell Vendor A Forum. +

**Interactive Images** PCVENC

Interactive Images supports its products such as Electronics Workbench and AUTHORITY in its section of the PC Vendor C Forum. +

**INTERSECT Software Corporation** ATARIVEN

INTERSECT Software supports Interlink ST and Deluxe Piano in its section of the Atari Vendors Forum. +

**INTERSOLV Forum** INTERSOLV

INTERSOLV provides desktop development solutions. It offers support for INTERSOLV's products, such as APS, Excelerator and Maintenance Workbench, in the INTERSOLV Forum. +

**InTrec Software** APIIVEN

InTrec Software supports ProTERM in its section of the Apple II Vendor Forum. +

**Iomega Corporation** PCVENE or MACCVEN

Iomega support representatives support Iomega's Bernoulli Box line of reliable data storage within the Iomega section of the PC Vendor E Forum. Iomega also supports its full line of Macintosh products in its section of the Macintosh C Vendor forum. +

**IQ Technologies** PCVENH

IQ Technologies provides support for its interactive presentations programs such as Show Partner F and Show Partner F/X in its section of the PC Vendor H Forum. +

**IRI Software Forum** IRIFORUM

Information Resources Incorporated provides support for users of Javelin and EXPRESS software in the IRIFORUM. Javelin is the leading financial modelling tool available and has presentation-quality graphics. EXPRESS is a line of decision support software that can enhance your productivity by enabling you to make more informed decisions. The IRIFORUM helps you take full advantage of Javelin and EXPRESS's capabilities. +

**ISICAD, Inc.** ISICAD

ISICAD provides support for its complete line of integrated graphics and database systems for the architectural engineering, facilities management and communications management markets, including its popular ADVANCE product, in the ISICAD/CADVANCE section of the CADD/CAM/CAE Vendor Forum. +

**Jasik Designs** MACBVEN

Jasik Designs supports its MacNosy and The Debugger products within its section of the Mac B Vendor Forum. +

**Jensen-Jones** JJSUPPORT

Jensen-Jones produces Commence, a personal information manager developed for the Windows environment. Jensen-Jones supports Commence in the Jensen-Jones section of the Windows 3rd Party Applications A Forum. +

**JLCooper Electronics** MIDIANDOR

Find support for JLCooper's leading MIDI accessories in the JLCooper section of the MIDI A Vendor Forum. Specific products supported include switching boxes, data mergers and automated MIDI mixing equipment. +

**Jovian Inc.** JOVIAN

Find support for Jovian Inc.'s product line in the Jovian section of the Graphics A Vendor Forum. Jovian products include SuperVIA, VIN, VINPlus, Gloria digitizer and Genie sound board. +

**J.P. Software** JPSOFT

J.P. Software provides technical support for its 4DOS program in the PC Vendor B Forum. +

**KASEWORKS** CASEW

KASEWORKS provides support for its applications development software for the Windows and OS/2 Presentation Manager environments including CASE-W and CASE-PM in the KASEWORKS section of the Windows 3rd Party Applications B Forum. +

**Key Electronics** MIDIBVENDOR

Key Electronics supports its line of MIDIATOR serial and parallel port MIDI interfaces in the Key Electronics section of the MIDI B Vendor Forum. +

**Kidasa** KIDASA

Kidasa Software produces and supports Milestones, Etc., a project scheduling application program, in the Kidasa section of the Windows 3rd Party Applications B Forum. +

**Kingston Technology** KINGSTON

Kingston Technology supports its upgrading tools and adapters in its section of the PC Vendor I Forum. +

**Knowledge Garden** KNOWLEDGE

Knowledge Garden provides support for KnowledgePro for Windows, a development environment for Windows. KnowledgePro is supported in the Knowledge Garden section of the Windows 3rd Party Applications B Forum. +

**Knozall Systems, Inc.** NVENA

Access the Knozall Systems section of the Novell Vendor A Forum to obtain support for Knozall's NetWork Management software programs such as FILEWIZARD and NLMAUTO for use with Novell NetWare. +

**Kodak Forum** KODAK

The latest information about Kodak's line of Photo CD products can be found in the Kodak Forum. The forum's libraries contain press releases and new product announcements for products such as Kodak's Photo CD, its Writable CD and Kodak printers. Topics covered in the message section include interfacing the Photo CD and other Kodak products with software programs such as Corel Draw. +

**Korenthal Associates, Inc.** KORENTHAL

Korenthal Associates supports the following products in its section of the PC Vendor B Forum: Webster's New World software series, 4PRINT and TAPMARK. +

**Kurzweil Music Systems — Young Chang** MIDIANDOR

Kurzweil Music Systems provides support for its synthesis, sample playback and sampling instruments in the YC/Kurzweil section of the MIDI A Vendor Forum. Its products include the 1000, 1200 and 2000 professional products as well as the Ensemble Grand and Mark series home products. +

**LABTECH** LABTECH

LABTECH supports its real-time data acquisition products such as NOTEBOOK, CONTROL and RealTime VISION in its section of the Windows 3rd Party Applications C Forum. +

**Lahey Computer Systems** LAHEY

Obtain support for Lahey's line of personal Fortran products and Fortran productivity tools in its section of the PC Vendor H Forum. +

**LAN Magazine Forum** LANMAG

The LAN Magazine Forum, brought to you by Miller Freeman, Inc., is a vendor-independent networking forum. The forum enables network managers, installers and users to discuss products and issues and to exchange information. In the forum you can get live reports from the staff of *LAN Magazine* on networking shows and vendor meetings to keep up-to-date on the latest happenings in the industry. The libraries contain articles from issues of *LAN Magazine* and vendor-submitted press releases, as well as user-submitted tutorials and information. +

**LAN Support Group** NVENA

Access the LAN Support Group section of the Novell Vendor A Forum to obtain support for BindView, its management and reporting utility for Novell NetWare LANs. +

**Landmark Research** PCVENH

Landmark Research provides support for its line of CDROM diagnostic tools in its section of the PC Vendor H Forum. +

**Lascaux Graphics** PCVENJ

Lascaux Graphics supports its software products and gifts for those who love mathematics in the PC Vendor J Forum. +

**LaserTools** LASERTOOLS

LaserTools supports its font products such as Fonts-On-the-Fly, Prime-Type and True-Type in its section of the Windows 3rd Party Applications E Forum. +



## **LDOS/TRSDOS 6 Forum** LDOS

The LDOS/TRSDOS 6 Forum welcomes all users of the Radio Shack TRS-80 Models 1, 3, 4, 4P, 40 as well as 'work-alike' computers such as the LOBO MAX-80. Topics discussed include BASIC, C, Fortran, Ratfor, the Z-80 assembly language and the 'hardware' of the TRS-80 product line. In addition, users of TRS-80 hardware and software and the LDOS 5.1 and TRSDOS6 operating systems can gain support. +

## **LEAD Technologies, Inc.** GRAPHBVEN

LEAD Technologies provides support for its graphics software toolkits and JPEG compression tools in the LEAD Technologies section of the Graphics B Vendor Forum. +

## **Leader Technologies** MACDVEN

Obtain support for PowerMerge, Leader Technologies' synchronization package, in its section of the Mac D Vendor Forum. +

## **Legato Systems, Inc.** LEGATO

Legato Systems provides support for its complete line of networking products, including NetWorker, within the Legato Systems support section of the PC Vendor D Forum. +

## **Lenel Systems** MULTIVENDOR

Representatives from Lenel Systems are online in the Multimedia Vendors Forum to provide support for Lenel's full line of multimedia products. +

## **Lexicon** MIDIBVEN

Lexicon has introduced a line of consumer products for high-end music and home theater systems. Broadcasters use Lexicon products to help edit, shape, and synchronize their transmissions. Lexicon supports its products in the MIDI B Vendor Forum, products such as the Harmonizer, that are heard on stage and in the recording studio. +

## **Lexicor Software** ATARIVEN

Lexicor Software provides technical support for its full line of animation products within the Lexicor section of the Atari Vendors Forum. +

## **Live Sound!** MIDIBVEN or LSMAG

Access the MIDI B Vendor Forum to gain support from *Live Sound!* magazine concerning Performance-Audio theory, techniques and applications. +

## **Logitech Forum** LOGITECH

The Logitech Forum is now in session for users of Logitech products. This forum provides technical support from the Logitech Support Group for products such as the CatchWord word processing program, Finesse desktop publishing program, ScanMan scanners and Logitech's mouse products. Check the libraries and News Flash sections of this forum for updates on product development and software available for downloading. For additional technical support, you can download question-and-answer help sheets which are used by Logitech technicians. +

## **Logo Computer Systems, Inc.** LOGOFORUM

Find support for LogoEnsemble, The Phantom Fish Tank, Logo II, LogoExpress and LogoWriter in the LCSi section of the Logo Forum. +

## **Logo Forum** LOGOFORUM

The Logo Forum uses a light-hearted approach to explore the use of the Logo computer language and technologies that influence our lives. Cartoon characters keep interest high. Vendors are available online and provide support for their products. This forum includes the following companies: Harvard Associates, Inc., Logo Computer Systems, Inc., Paradigm Software, Inc., Power Industries LP,

Schemers Inc. and Terrapin, Inc. See each vendor's individual description within this section for a list of supported products. +

## **Lotus GmbH Forum** LOTGER

The Lotus GmbH Forum provides technical support for Lotus' German-speaking customer base. German users of Lotus products for DOS, OS/2, UNIX and Windows, such as 1-2-3, Ami Pro, ccMail and Notes can obtain support from the Lotus staff in Munich. The libraries contain downloadable software such as Notes applications, drivers, upgrades and utilities. +

## **Lotus Spreadsheet Forum** LOTUSA

The Lotus Spreadsheet Forum provides users of Lotus 1-2-3, Lotus Symphony, HAL and Jazz with information and product support. Here you can communicate with other Lotus users and download models, command-language programs or templates for use with these Lotus products. You can also communicate with experts and consultants who have had similar experiences. +

## **Lotus Word Processing Forum** LOTUSWP

The World of Lotus brings you the Lotus Word Processing Forum to provide thorough product support for users of Ami Pro, Ami, Lotus Manuscript, Samna Word IV and SmartText word processing programs. By interacting through the message boards and conferences, members can build on one another's ideas and experiences to better understand the programs and to learn how to get better results for different applications. +

## **Lotus Words & Pixels Forum** LOTUSB

Users of Lotus Magellan, Freelance, Freelance Plus, Graphwriter, Lotus Metro, Lotus Express, Lotus Agenda and other non-spreadsheet Lotus products can exchange ideas in the Lotus Words & Pixels Forum. Members discuss graphics business communication such as charts, diagrams, word charts, freehand drawings, symbols and maps. +

## **Lucid Corporation** LUCID

Lucid Corporation provides support for its spreadsheet, Lucid 3-D for Windows, in its section of the Windows 3rd Party Applications A Forum. +

## **Mac Applications Forum** MACAP

Join the Mac Applications Forum to get the most from your Macintosh application programs. This forum hosts discussions about Macintosh applications for word processors, databases, graphics, personal schedules and spreadsheets. Learn more about the programs you use or about other Mac programs that can help you get the job done, with special areas for Mac-equipped engineers, lawyers and scientists. +

## **Mac A Vendor Forum** MACAVEN

The Mac A Vendor Forum features Macintosh vendors delivering online support to their customers. The following companies and the products they support are included in this forum: Activision, Articulate Systems, CE Software, Connectix, Daystar Digital, DeltaPoint, Ex Machina, Mainstay, MicroMat, Nisus Software, Portfolio Systems and Survivor Software. See each vendor's individual description within this section for a list of supported products. For additional vendors and support, GO MACBVEN, GO MACCVEN or GO MACDVEN. +

## **Mac B Vendor Forum** MACBVEN

The Mac B Vendor Forum features Macintosh vendors delivering online support to their customers. This forum includes the following companies: Altsys Corp., Berkeley Systems, Component Software, Deneba Software, GCC Technologies, Jasik Designs, Microseeds Publishing, Olduvai Corporation, Opcode, Radius, Software Ventures, SuperMac Technology, Tactic Software, T/Maker and Work-

ing Software. See each vendor's individual description within this section for a list of supported products. For additional vendors and support, GO MACAVEN, GO MACCVEN or GO MACDVEN. +

## **Mac C Vendor Forum** MACCVEN

The Mac C Vendor Forum features Macintosh vendors delivering online support to their customers. This forum includes the following companies: Aladdin Systems, Alysia, Avatar Corp., Baseline Publishing, CoStar Corporation, Farallon, Inline Software, Iomega Corporation, Mirror Tech, Softsync, Inc., TMS Peripherals and Virtus Corp. See each vendor's individual description within this section for a list of supported products. For additional vendors and support, GO MACAVEN, GO MACBVEN or GO MACDVEN. +

## **Mac D Vendor Forum** MACDVEN

The Mac D Vendor Forum features Macintosh vendors delivering online support to their customers. This forum includes the following companies: Advanced Gravis, Advanced Software, Applied Engineering, Atticus Corporation, Digital Eclipse, Focus Enhancements, Helix, Insignia Solutions, Leader Technologies, MacTech Magazine, Mercury Systems, Micronet Technology, Teknosys, Inc. and TidBITS Magazine. See each vendor's individual description within this section for a list of supported products. For additional vendors and support, GO MACAVEN, GO MACBVEN or GO MACCVEN. +

## **Mac File Finder** MACFF

Browsing through forum files has never been easier. Mac File Finder is an online comprehensive keyword searchable database of file descriptions of the most popular Macintosh-related forums. Use this database to locate and download interesting files from the following forums: Adobe, Borland Applications, Borland Pascal Forum, Fifth Generation Systems, Fox Software, Lotus Spreadsheets, Mac Applications, Mac A Vendor, Mac B Vendor, Mac C Vendor, Mac D Vendor, Macintosh Communications, Macintosh Clubhouse, Macintosh Developers, Macintosh Entertainment, Macintosh Hardware Forum, Macintosh Hypertext, Macintosh New Users and Help, Macintosh System Software, Microsoft Applications, Microsoft Excel, Symantec, MIDI A Vendor Forum, MIDI B Vendor Forum, MIDI C Vendor Forum, MIDI/Music Forum and Music and Performing Arts Forum. +

## **MacDonald Associates** ATARIVEN

Get support for MacDonald Associates' products including Universal Item Selector, Universal Network software and La Redacteur word processor, along with information on the *ST Informer* magazine in the MacDonald Associates section of the Atari Vendors Forum. +

## **Macintosh Clubhouse Forum** MACCLUB

The Macintosh Clubhouse is the main area where Macintosh users go to get to know one another. Meet members of the Macintosh Community by attending special conferences or parties where members introduce new products and where rumors concerning Macintosh are discussed. +

## **Macintosh Communications Forum** MACCOMM

Information on Macs communicating with other Macs and with other personal computers is available in the Macintosh Communications Forum. It covers CompuServe Navigator, other terminal programs, facsimiles (FAX), scripts and tools, hardware, local area networks, connecting Macs to PCs and private bulletin board systems. Libraries contain upgrades, patches, press releases on modems, reviews, documentation, demos and telecommunication utilities. +



### Macintosh Developers Forum MACDEV

The Macintosh Developers Forum provides programming information for commercial Mac programmers, Mac developers, people who program for their own use, and new programmers. You can contact expert programmers and discuss BASIC, C and Pascal, assembly language and object oriented programming. Tools, debuggers, shareware, utilities and source code samples are also available. The system software which Apple licenses for electronic distribution is made available in the forum, including the versions of System and Finder through 7.0.1 and the latest versions of Macsbug and Resource Editor. Members of the MacApp Developer's Association meet to share information on the latest developments in object oriented programming tools in the APDA section. +

### Macintosh Entertainment Forum MACFUN

This forum helps people discover fun and creative new ways to use the Macintosh. The forum also places each member in touch with like-minded Macintosh enthusiasts from all over the world. There are sections on games from adventure to arcade, music, sound files and more. +

### Macintosh Hardware Forum MACHW

In the Macintosh Hardware Forum, you can discuss Macintosh hardware components, from hard disks to monitors, printers, scanners and other peripherals. Members also discuss various models of Macs including Classics and Modular (Mac IIs), PowerBooks, DuoBooks, Performas and the new PDAs. Check the libraries for model-specific files, screensavers and backup programs. +

### Macintosh Hypertext Forum MACHYPER

The Macintosh Hypertext Forum provides information on Hypertext, which are databases that use words, sounds and pictures. Discussions cover Hypercard, Hypertalk language, stack ideas and external resource programs. Support is also provided for programs of developers who work outside of Apple, including SuperCard and Plus+. The libraries contain press releases, demos, shareware, utilities, games, educational tools, music and sounds, source code and personal databases. +

### Macintosh Multimedia Forum MACMULT

The Macintosh Multimedia Forum features tools, ideas and applications to create multimedia presentations on the Mac. In the forum, learn new multimedia techniques including the use of sound, art files, graphics files and HyperCard. From the libraries download Quicktime multimedia movies. +

### Macintosh New Users and Help Forum MACNEW or MACHELP

Are you a new Mac user suffering from confusion and overload? Then GO MACNEW or MACHELP to join the Macintosh New Users and Help Forum where experts are available to answer your questions and help you gradually work through your system. Feel free to consult the experts as often as necessary until you feel comfortable using your Macintosh computer. Users can download hundreds of programs reviewed in the book *Mac Shareware Emporium*. Also in Mac New, find out what's been recently uploaded in the other Mac forums. +

### Macintosh System Software Forum MACSYS

Visit the Macintosh System Software Forum to learn about the various features and aspects of Apple's Macintosh system software. Here you can ask questions about installing INITs or other extensions, finding the right control panel or using F keys and desk accessories. The libraries contain files with information for both Systems 6.0 and the latest System 7.10. QuickTime databases and QuickTime movies are also supported here. +

### Mackie Designs MIDIBVEN or MACKIE

Mackie Designs supports its full line of products within its section of the MIDI B Vendor Forum. Its product line includes 12 and 16 channel mixers, OTTO-1604 and a line of larger 8-Bus mixer consoles. +

### Macromedia Forum MACROMEDIA

For online technical support for your Macromedia multimedia software, join the Macromedia Forum. Through this forum, you can communicate directly with other users and with the Macromedia Technical Support Staff for answers to your questions about media products such as Authorware, ClipMedia and MediaMaker. For additional support, check the libraries for downloadable files and programs. +

### MacTech Magazine MACDVEN

Access *MacTech* magazine's section of the Mac D Vendor Forum to discuss the articles and issues found in *MacTech* magazine. +

### MacUser Forum MACUSER

The *MacUser* Forum, part of ZiffNet/Mac (GO ZMAC), gives you an opportunity to interact with the editors, writers, columnists and other readers of the magazine. You'll have instant access to downloadable utilities — evaluated and tested in *MacUser's* labs and exclusive System 7.0 utilities designed by *MacUser*. The complete indexes of *MacUser* (and *MacWEEK*) are available online, so you can quickly and easily find information. +

### MacWEEK Forum MACWEEK

The *MacWEEK* Forum, part of ZiffNet/Mac (GO ZMAC), lets you exchange ideas with the editors and writers of the magazine. Also you can take a look at the headlines and summaries of the news stories the Friday before they are published. The complete indexes of *MacWEEK* (and *MacUser*) are available online, so you can quickly and easily find information. +

### Madge Networks Ltd. MADGE

Obtain support for Madge Networks' line of Madge Smart Token Ring products in its section of the PC Vendor G Forum. +

### Magee Enterprises, Inc. MAGEE

Magee Enterprises supports Automenu, Network H.O., Treeview and Screen Manager Professional in its section of the PC Vendor A Forum. +

### Magic Software PCVENG

Magic Software supports its development tools such as Automatic Program Generators, Automatic Screen Painters, End-User Report Writers and Integrated Cross-Referencers in its support section of the PC Vendor G Forum. +

### Magma Systems MAGMA

Magma Systems supports its MEWEL Window Library and the ME Text Editor in its section of the PC Vendor D Forum. +

### Magnetic Music MAGMUSIC

Representatives from Magnetic Music support its Prism and Texture MIDI Sequencers within its section of the MIDI A Vendor Forum. +

### Mainstay MACAVEN

Mainstay provides online support in the Mac A Vendor Forum for its line of products including Think'n Time, MacFlow, MacSchedule, Telescape and Visual Interactive. +

### Mansfield Software Group PCVENA

KEDIT is supported in the Mansfield Software Group's section of the PC Vendor A Forum. +

### MapLinx MAPLINX

MapLinx supports its zipcode database and related software products in its section of the Windows 3rd Party Applications E Forum. +

### Mark IV Pro Audio MIDIBVEN

Mark IV Pro Audio supports its line of mixing consoles in its section of the MIDI B Vendor Forum. +

### Markt & Technik AG MUTFORUM

Markt & Technik AG is a leading publisher of German computer magazines, which include *Computer Persoenlich* and *PC Magazin* (German issue). These publications are targeted to the business and private user of personal computers. This forum enables the readers of M&T's publications to communicate among each other and with the editors of the magazines. The libraries contain programming code and samples, which are published in M&T's magazines. The messages and library files in this forum are in German. +

### Mathematica, Inc. TEMPRA or MULTIVEN

Mathematica Inc. provides support for its Tempra Pro paint program in the Tempra section of the Graphics A Vendor Forum. Mathematica also provides support in its section of the Multimedia Vendor Forum. +

### Matrox GRAPHBVEN

Matrox supports its line of graphics boards in its section of the Graphics B Vendor Forum. +





### Maxwell CPU ATARIVEN

Access the Maxwell CPU section of the Atari Vendors Forum to obtain technical support for Megstender, GoGo-ST and Fractal Fantasy. +

### McAfee Virus Help Forum VIRUSFORUM

Learn how to protect your computer against viruses through the McAfee Virus Help Forum. Join discussions with virus experts from around the world on current developments. Sponsored by McAfee Associates, this forum contains libraries with informative text files and downloadable programs that detect and remove computer viruses. Participate in conferences and the message boards for accurate diagnoses and prompt relief. The National Computer Security Association operates a section in the forum. Technical support is also offered for virus-fighting products from McAfee Associates. +

### MECA Software Forum MECA

The MECA Software Forum provides support for users of Managing Your Money, Checkwrite Plus, TaxCut, Managing the Market and Financial Calculator. Communicate directly with MECA's technical support and with other members who use MECA's full line of products. +

### Media Vision MIDIBVENDOR or MULTIVENDOR

Media Vision supports its digital audio and MIDI products in its section of the MIDI B Vendor Forum. Supported products include the Pro AudioSpectrum and Pro AudioSpectrum 16 sound cards. You can enter and download shareware and freeware applications that support 16-bit sound cards in the PAS16 contest library in the MIDI B Vendor Forum. You can also find support for Media Vision in its section of the Multimedia Vendors Forum. +

### Megahertz MEGAHERTZ

Megahertz manufactures a complete line of laptop enhancement products including PCMCIA modems, LAN adapter cards for both Ethernet and Token Ring LANs, 3270/5250 terminal emulation, 3270/5250 remote terminal emulation cards and memory upgrades. Support for these and other Megahertz products is provided in the Megahertz section of the Modem Vendor Forum. +

### Mercury Systems MACDVEN

Access Mercury's section of the Mac D Vendor Forum to obtain support for Mercury's products, including MacIntercom. +

### Metagraphics, Inc. METAGRAPHICS

Metagraphics provides support for MetaWNDX, cross-platform development tools for PC-DOS, 286 DOS-Extenders, 386 DOS-Extenders, Windows, Macintosh Unix X-Windows/Motif and Sun Sparc in the Metagraphics section of the Graphics A Vendor Forum. +

### Metz Software METZ

Metz Software provides technical support for its complete series of utility applications such as Metz File Manager F/X and Metz Shareware products. These products are supported in the Metz Software section of the Windows 3rd Party Applications C Forum. +

### Michtron ATARIVEN

Michtron supports Protext word processor and Fleet Street Publisher in its section of the Atari Vendor Forum. +

### Micro Decisionware MDITECH

Obtain support for Micro Decisionware's Database Gateway family of products in its section of the OS/2 Vendor Forum. +

### Micro Focus MICROFOCUS

Micro Focus provides support for Personal COBOL products in the Micro Focus Forum. +

### Micrografx MICROGRAFX

Micrografx provides support for professional graphic construction programs such as Charisma, Designer, Draw Plus, Picture Publisher and XPort in the Micrografx section of the Windows 3rd Party Applications A Forum. +

### MicroMat MACAVEN

Access MicroMat's section of the Mac A Vendor Forum to obtain support for its line of MacEKG software. +

### Micronet Technology MACDVEN

Micronet provides support for its line of hard disk drives, disk arrays, DAT, streaming tape and removable media drives in its section of the Mac D Vendor Forum. +

### Micronetics Design MUMPS

Talk with the editors or review past issues of *Micronetics*, the technical bulletin with updates and fixes, in its section of the PC Vendor H Forum. +

### Micropolis Corporation PCVEND

Access the PC Vendor D Forum to obtain product and technical support from Micropolis representatives for its full product line, including Raidion. +

### Microseeds Publishing MACBVEN

Support for Redux, Rival, Initpicker, Screen Gems and Astrix is provided by Microseeds Publishing within its section of the Mac B Vendor Forum. +

### Microsoft Access Forum MSACCESS

This forum supports Microsoft's Access database management software. You can receive technical and non-technical advice on a variety of topics including database design, macros, networks and reports. Questions that arise when programming with Microsoft applications can be answered by the Microsoft Product Support Group. +

### Microsoft Applications Forum MSAPP

Take advantage of the support available for all of your Microsoft applications in the Microsoft Applications Forum. Microsoft support personnel provide support for application products including all versions of Flight Simulator, LAN Email, Microsoft Money, Microsoft Mouse, Microsoft Publisher, Microsoft Scenes, Microsoft Works, Windows Penpoint and Windows Project applications. Both the message sections and the libraries contain information and files that can help you use Microsoft applications more effectively. +

### Microsoft BASIC Forum MSBASIC

The Microsoft BASIC Forum provides members with direct access to technical support about the BASIC, QuickBASIC and Visual BASIC programming languages. Members ask questions about various aspects of using these languages and discuss development issues with other members. +

### Microsoft Benelux MSBENELUX

The Microsoft Benelux menu enables you to access company information about Microsoft Benelux as well as enter the Microsoft Benelux Developers Forum (GO MSBDF). Access is also provided to the Microsoft Connection, the Microsoft KnowledgeBase and the Microsoft software library, all of which contain files for downloading. +

### Microsoft Benelux Developers Forum MSBDF

The Microsoft Benelux Developers Forum provides support for Microsoft products for users based in the Benelux countries. Support is provided for program development software including Access, BASIC, C/C++, FoxPro, NT, and Windows SDK. Benelux-based developers can share information with other users and developers and with the staff at Microsoft Benelux. The forum libraries contain drivers, programming samples and other Microsoft local language products. +

### Microsoft C and Other Languages Forum MSLANG or MSLNG32

Users of Microsoft software and operating systems are encouraged to join the Microsoft C and Other Languages Forum, which is operated by the Microsoft Product Support Group. Members have direct access to technical support for programming languages such as C, QuickC and QuickPascal MASM for Microsoft applications. Microsoft libraries feature more than 2000 files containing macros, utilities and shareware programs. +

### Microsoft Central Europe Forum MSCE

The Microsoft Central Europe Forum supports Microsoft's German application software and programming languages and hosts discussions among Microsoft users and Microsoft Central Europe. Visit the forum's libraries for products such as drivers, programming samples and other Microsoft local language products. For additional support, see other Microsoft forums in this section. +

### Microsoft Central Europe System Forum MSCSYSTEM

The Microsoft Central Europe System Forum provides support for European users of Microsoft products. Products supported in this forum include: MS Basic, C and C++, Extensions, LAN Manager and SQL Server. Visit the libraries for products such as drivers, programming samples and other Microsoft products. For additional European support visit the Microsoft Central Europe Forum (GO MSCE) or visit the other Microsoft forums in this section. +

### Microsoft Connection MICROSOFT

The Microsoft Connection provides you with company information and access into the Microsoft Forums. You can communicate directly with Microsoft and other users of Microsoft software. The Microsoft Connection includes technical product information, sales and training information, information about product support services, and the Microsoft software library with files for downloading. Access is also provided to the Microsoft Knowledge Base (GO MSKB), which enables you to access the Microsoft engineering support files used by Microsoft support engineers for product support. +





## Microsoft Developer Knowledge Base MDKB

The Microsoft Developer Knowledge Base is a reference tool containing technical information and articles about Microsoft developer-specific products. This database is compiled and maintained by Microsoft Product Support and is full-text, keyword searchable. You will find Microsoft press releases and technical articles about product bugs, trouble-shooting and updates. +

## Microsoft Developer Network Forum MSDNLB

The Microsoft Developer Network (MSDN) Forum offers software developers a quick and efficient way of obtaining technical information. The libraries contain a collection of technical articles in the Windows Help file format and sample code, which are available for downloading. Message sections enable you to discuss any of the files or codes with other users, as well as with Microsoft representatives. +

## Microsoft Developer Relations Forum MSDR

If you use Microsoft products to develop your own applications, join the Microsoft Developer Relations Forum for information and tips for using Microsoft systems products. Representatives from Microsoft's Developer Relation Group and experienced developers are online and participate in the message sections to answer your non-technical questions about the products and their usage. For technical support, see the Microsoft Developer Services Area (GO MSDS). +

## Microsoft Developer Services Area MSDS

The Microsoft Developer Services Area provides developers with access to technical support and information for all Microsoft development products. Developers are encouraged to use this area to aid their development efforts and to communicate directly with Microsoft regarding all developer-related issues. +

## Microsoft DOS Forum MSDOS

The Microsoft Connection supports users of MS-DOS through the Microsoft DOS Forum. In the message section and conference areas, members share information about all aspects of MS-DOS including setup and installation, hardware, conversion and command usage. Representatives from Microsoft Product Support Services participate in this forum to make sure that MS-DOS users get the most current information available. +

## Microsoft Excel Forum EXCEL

The Microsoft Excel Forum provides technical support for all versions of Microsoft Excel. Templates and spreadsheets are available for downloading. +

## Microsoft Foundation Class Forum MSMFC

This forum, sponsored by Microsoft Product Support Services, is designed as an area for developers to exchange information, tips and techniques concerning Microsoft Foundation Classes. +

## Microsoft Fox Forum FOXFORUM

The Fox Software Forum provides support for Fox database management and graphics software. Software supported includes FoxPro, FoxBASE+ and FoxBASE+/Mac. Support is also provided for third-party software, hardware, applications and development, operating systems and consultants. The libraries contain templates, technical notes and programs for use with Fox software. +

## Microsoft Italy Forum MSITALY

The MS Italy Forum supports Microsoft's Italian application software and programming languages and hosts discussions among users of Microsoft's Italian application software. Visit the forum's libraries for products such as drivers, programming samples and other Microsoft local language products. For additional support, see other Microsoft forums in this section. +

## Microsoft Knowledge Base MSKB

Microsoft Knowledge Base is a database which provides access to information about Microsoft products previously available only to the Microsoft support engineers. Search the database by product name, version or category. Or, for immediate responses to your questions, perform a full-text search of all documents contained within the database that contain the subject of your question. Also communicate directly with Microsoft by sending an electronic message to its Help Desk. +

## Microsoft Networks Forum MSNETWORKS

The Microsoft Networks Forum provides in-depth information about Client Server. Information is also available about the Microsoft LAN Manager network operating system and the SQL Server database. Support personnel at Microsoft monitor this forum to ensure that correct information is presented. Files from the Microsoft Operating Systems and Development Forum that are related to the Client Server are located in the libraries in this forum for easy access. +

## Microsoft Programming Applications Forum PROGMSA

If you use WordBasic to program Microsoft application software, you should join this forum. Microsoft Support Engineers, as well as experienced users, are online to offer technical support. Find answers to questions about WordBasic's capabilities and learn how to use it for your specific applications. A non-technical section is also available for questions about documentation and for general information about WordBasic. +

## Microsoft Sales & Info Forum MSIC

The Microsoft Sales & Info Forum, monitored by MS sales and information staff, responds to your product information, sales, registration, promotional and pricing questions. The message areas also give information on training opportunities and international sales. +

## Microsoft Software Library MSL

The Microsoft Software Library is a collection of uploaded binary files, samples, technical notes and utilities about various Microsoft programs. The entire library is keyword searchable and the files can easily be downloaded to your computer. +

## Microsoft SNA Forum MSSNA

The Microsoft Windows NT SNA Forum, sponsored by Microsoft Product Support Services, is designed as an area to exchange information, tips and techniques concerning Microsoft Windows multimedia products. +

## Microsoft Spain/Latin America Forum MSSPIN

The MS Spain/Latin America Forum supports Microsoft's Spanish and Latin American application software and programming languages. The forum hosts discussions among users of Microsoft's application software. Visit the forum's libraries for products such as drivers, programming samples and other Microsoft local language products. For additional support, see other Microsoft forums in this section. +

## Microsoft SQL Server Forum MSSQL

If you use the Microsoft SQL Server SDKs and products, be sure to stop by this forum for technical support and information directly from Microsoft and other experts. Learn more about development toolkits, front-ends (both MS and non-MS) and SQL connectivity. A non-technical support section is available for you to ask questions concerning documentation, order information and release information. +

## Microsoft Sweden Forum MSSWEEN

The MS Sweden Forum supports Microsoft's Swedish application software and programming languages. The forum hosts discussions among users of Microsoft's application software. Visit the forum's libraries for products such as drivers, programming samples and other Microsoft local language products. For additional support, see other Microsoft forums in this section. +

## Microsoft TechNet Forum TNFORUM

The MS TechNet Forum is a worldwide forum providing news and downloadable technical information about Microsoft products. Members of this forum exchange technical information about Microsoft products with other experts and peers across the United States and around the world. +

## Microsoft TechNet Services Area TECHNET

The MS TechNet Services Area provides a centralized area where users of Microsoft products can access technical information. This area is useful to those who work with or support end users, those who implement or integrate Microsoft software into multivendor environments, or those who use Microsoft tools to create front-ends, macros or customized applications. The MS TechNet Services Area provides access to the MS TechNet Forum, the MS Knowledge Base, the MS Software Library and other MS forums. +

## Microsoft Win32 SDK Forum MSWIN32

The Microsoft Win32 SDK Forum offers you a place to find information about the Microsoft Win32 Application Programming Interface. Representatives from the Microsoft Developer Relations Group are online to provide you with general information on 32-bit computing and to monitor the forum to ensure that you receive complete and accurate information. You will also have access to information about future versions of Microsoft Windows that will support the Win32 API. +

## Microsoft Windows Extensions Forum WINEXT

The Microsoft Windows Extensions Forum provides a platform for technical assistance and information for Microsoft development tools such as OLE and Pen SDK. Microsoft Support Engineers monitor all sections in this forum to ensure that you receive current and accurate information and to provide technical assistance to Windows software developers. +

## Microsoft Windows Forum MSWIN

The MS Windows Forum, operated by MS Product Support Services, provides Microsoft Windows customers with technical support and information. The message sections contain non-technical customer service information as well as information about setup, use of a mouse, video display and networking with Windows. The libraries contain video and printer drivers as well as an index and information on all Microsoft forums. +

## Microsoft Windows Fun Forum WINFUN

The MS Windows Fun Forum contains a plethora of games, sounds, screen savers, icons and graphics. A section devoted to files for kids contains math and spelling learning tools. Technical support is available through the MS Windows Forum (GO MSWIN). For other shareware/freeware, GO WINSHARE. +



## Microsoft Windows Multimedia Developer Forum WINMM

Support for Microsoft Windows development multimedia products can be found in the MS Windows Multimedia Developer Forum. In the forum obtain help and suggestions for products such as MDK, Video for Windows and Sound Volume. +

## Microsoft Windows NT Forum WINNT

The Microsoft Windows NT Forum was developed for users of the preliminary release version of Microsoft Windows NT. As a member, you can ask questions of Microsoft, report bugs and discuss the Windows NT operating system. A non-technical message section is also available for you to inquire about missing components such as documentation and disks. For information about Windows 32-bit development, see the Microsoft Win32 Forum (GO MSWIN32). +

## Microsoft Windows Objects Forum WINOBJECTS

Obtain support for the Microsoft Windows object orientated products, such as OLE, in the MS Windows Objects Forum. Windows users can talk directly with technical support on issues such as component object models and structured storage. A message section is devoted to non-technical support. +

## Microsoft Windows SDK Forum WINSKD

Developers using the Windows Software Development Kit will want to take advantage of the community of assistance and support available in the Windows SDK Forum. Help is available for subjects such as tools, accelerators, controls, dialogue boxes, memory management, fonts, palettes and color. +

## Microsoft Windows Shareware Forum WINSHARE

The MS Windows Shareware Forum is designed for the distribution and discussion of Windows shareware/freeware. The libraries contain utilities, applications, program managers and business/finance software. Technical support is available through the MS Windows Forum (GO MSWIN). For other shareware/freeware, GO WINFUN. +

## Microsoft Word Forum MSWORD

If you use Microsoft Word for Windows, Macintosh, DOS or OS/2 environments, join this forum for technical support and informative discussions about Word's components and features. In the forum's Support section, ask your technical questions. In the Discussions section, participate in conversations with other forum members about Word in general. A Project Worktable section is available in which you can discuss your Word projects with other forum members. +

## Microsoft Workgroups Forum MSWRKGRP

This forum provides a central location for users of the Windows for Workgroups electronic mail programs to find information and support. Message and library sections provide information about MS Mail for the PC, MS Mail for the Macintosh, PC LAN Email and Mac LAN Email. Other sections can help you with setup, connectivity and accessories. A non-technical support section is also available for your questions concerning documentation, order information and release information. +

## MicroStation Forum MSTATION

Bentley Systems, which is partly owned by Intergraph Corp., provides support for the MicroStation product line in the MicroStation Forum. +

## MIDI A Vendor Forum MIDI AVEN

Whether you are an experienced or novice user of MIDI music products, you can communicate directly with several vendors in the MIDI industry by joining the MIDI Vendor Forum. Vendors participating in this forum provide you with easier access and wider support for their products. Also professional musicians who are members in this forum discuss their experiences with MIDI and can further provide you with recommendations. This forum includes the following companies: Animation, Barefoot/Hybrid, Big Noise Software, Inc., E-Mu Systems, Eventide, JLCopier Electronics, Kurzweil Music Systems - Young Chang, Magnetic Music, Music Quest, Opcode Systems Incorporated, PG Music, Turtle Beach Systems and Twelve Tone Systems. See each vendor's individual description within this section for a list of supported products. For additional MIDI support and vendors, GO MIDIFORUM, GO MIDIBVEN, or GO MIDICVEN. +

## MIDI B Vendor Forum MIDIBVEN

The MIDI B Vendor Forum features MIDI vendors delivering online support to their customers. The following companies and the products each supports are included in this forum: Coda Music Software, Cool Shoes Software, Covox, Key Electronics, Lexicon, Live Sound!, Mackie Designs, Mark IV Pro Audio, Media Vision, Midiman, Musitek, Passport Designs, Sweetwater Sound and Temporal Acuity Products. See each vendor's individual description within this section for a list of supported products. For additional vendors and support, GO MIDIFORUM, GO MIDI AVEN or GO MIDICVEN. +

## MIDI C Vendor Forum MIDICVEN

The MIDI C Vendor Forum features MIDI vendors delivering online support to their customers. The following companies support their products in this forum: Asystem, Blue Ribbon, Dr. T's, DrumTrax, Howling Dog, Innovative Quality Software, MIDI Solutions, MOTU, OSC, Roland, Sound Deals, Soundcraft, Steinberg/Jones and Thoughtprocessors. See each vendor's individual description within this section for a list of supported products. For additional vendors and support, GO MIDIFORUM, MIDI AVEN or MIDIBVEN. +

## MIDI Solutions MIDICVEN

MIDI Solutions supports its modular MIDI processing products in its section of the MIDI C Vendor Forum. +

## Midiman MIDIBVEN

Midiman provides technical support for its full line of hardware, software and accessories in its section of the MIDI B Vendor Forum. Products include Fineline, Mac Syncman, MM401, Portman PC/P and PC/S, Smartsync, SMPTE Time Window, Syncman Plus and Syncman Pro. +

## MIDI/Music Forum MIDIFORUM

If you enjoy making music, join the MIDI/Music Forum. The forum provides support for Musical Instrument Digital Interface, synthesizers, MIDI sound modules and sound cards. Discuss topics ranging from equipment reviews, composing and recording. The synth/sampler libraries contain files to load into your equipment. The song libraries contain hundreds of musical compositions to play at your leisure. +

## MIP Fund Accounting PCVENF

Access the MIP Fund Accounting section of the PC Vendor F Forum to obtain information regarding the MIP Fund Accounting System. This PC-based fund accounting system is designed for not-for-profit organizations. +

## Mirror Technologies MACCVEN

Mirror currently offers products in three main categories: storage devices, video display systems and input/output devices which currently consist of 24-bit color scanner. Access the Mirror Technologies section of the Mac C Vendor Forum to obtain technical support. +

## Missionware Software ATARIVEN

Find support for Missionware Software's Atari-based programs such as Printer Initializer, Lottodds and Flash II in the Atari Vendors Forum. +

## Mitchell and Gauthier PCVENG

Mitchell and Gauthier produces Advanced Continuous Simulation Language, a program that simulates most any physical system such as airplanes, electric power plants or effects of medicine on the body. Obtain support for this simulation program in Mitchell and Gauthier's section of the PC Vendor G Forum. +

## Model 100 Forum M100SIG

The Model 100 Forum is intended for the users of the TRS-80 Model 100. Members can share knowledge, experiences, programs and product information with other members. There are 16 message board topics and databases which contain 1,000+ files of interest to Model 100 users. The library and message board also support Tandy models 102, 200, 600 and WP-2. +

## Modem Vendor Forum MODEMVENDOR

If you use a modem or are considering purchasing one, join this forum where selected vendors provide customer and technical support for their customers as well as to potential customers. This forum includes the following companies: Boca Research, The Complete PC, Computer Peripherals, Global Village Communications, Megahertz, MultiTech Systems, National Semiconductor, Prometheus, PSI Integration, Inc., Supra Corporation, Telebit, US Robotics, Zoom Telephonics and ZyXEL. Besides direct support from vendors, you will also find members who can share their experiences with using different brands of modems. In addition to the communication with company representatives, you will find help files, programs, patches and example files in the libraries. +

## Monotype MONOTYPE

Monotype supports its font products for printers such as PostScript, TrueType and FoneFonts in its section of the DTP Vendor Forum. +

## MOTU MIDICVEN

MOTU (Mark of the Unicorn) provides support for its line of MIDI products including the MIDI Time Piece and Unisyn, a sound editor/librarian, in the MIDI C Vendor Forum. +

## Multi-Tech Systems MULTITECH

Multi-Tech provides support for its modems such as MultiArray, MultiMax and MultiModem in its section of the Modem Vendor Forum. +

## Multi-User DOS NVENA

The Multi-User DOS section of the Novell Vendor A Forum is supported by three companies: Concurrent Controls, Inc., CONUG, Inc. and Intelligent Micro Software, Ltd. +

## Multimedia Forum MULTIMEDIA

The Multimedia Computing Corporation offers this forum for people who are interested in the emerging technology of multimedia, the use of audiovisual enhancements with computers. The use of computer enhancements such as audio, video, animation and music, along with platform-specific topics are common areas of discussion in this forum. Members can learn from one another's experiences and knowledge and find application ideas through the conference area and message boards. +



## Multimedia Vendor Forum MULTIVENDOR

When you are ready to add video, sound, animation or music capabilities to your computer, join this forum to find answers to your questions about many of the leading multimedia hardware and software products. Learn about other members' first-hand experiences in multimedia equipment for purchasing advice. Vendors are online to help you choose the right equipment for your application. This forum includes the following companies: Aimtech, Asymetrix, BCD Associates, Cognetics, HSC Software, Lenel Systems, Mathematica, Inc., Media Vision, New Media Graphics, nTergaid, Specular International, Truevision, Turtle Beach, VideoLogic and The Voyager Company. See each vendor's individual description within this section for a list of supported products. +

## Multimedia B Vendor Forum MULTIBVEN

This forum enables you to communicate online with multimedia vendors who will help you choose the right equipment for your application. This forum includes the following companies: Adda Technologies, Advanced Digital, Avid DTV Group, FAST Electronic, InFocus Systems and Qsound Labs. See each vendor's individual description within this section for a list of supported products. +

## M-USA Business Systems PCVENC

M-USA offers support for its PACIOLI 2000 ACCOUNTING, PACIOLI 2000 PAYROLL, CashBIZ (personal finance software) and M-USA Video programs. Access its support section in the PC Vendor C Forum to obtain information and technical support for these products. +

## Music Quest MUSICQUEST

Music Quest supports its full line of MIDI interfaces for PC and Macintosh computers in the MIDI A Vendor Forum. +

## Music Vendor Forum MUSICVEN

Want to know when your favorite musical artist will be in your hometown? Or, would you like to learn the latest news in the music industry or join a fanclub or two? Then the Music Vendor Forum is the place to be. News from artists on commercial labels such as Warner Bros., RCA Records and Geffen Records as well as those on independent labels can be found in the Music Vendor Forum. The libraries contain new release information, tour schedules and artists' biographies. +

## Musitek MIDIBVEN

Musitek supports MIDISCAN, its Optical Character Recognition (OCR) software for sheet music, in its section of the MIDI B Vendor Forum. +

## Mustang Software PCVENA

Mustang Software supports WILDCAT! Bulletin Board system, QModemPro for Windows and DOS, Offline Express and QmodemLite communications programs in the Mustang Software section of the PC Vendor A Forum. The library contains test drive versions of Mustang's products as well as third party utilities for WILDCAT! and QmodemPro. +

## National Computer Security Association NCSA

The National Computer Security Association offers a discussion ground and series of informative files on all aspects of computer security, including computer viruses, encryption techniques, data center security and other issues within its section of the McAfee Virus Help Forum. +

## National Semiconductor MODEMVEN

National Semiconductor supports TyIN, its line of fax add-in cards and related software in its section of the Modem Vendor Forum. +

## NCR/AT&T Forum NCRATT

The NCR/AT&T Forum, supported by NCR Customer Support, provides end user support services and downloadable files for NCR and AT&T desktop computers, portable computers, servers and Windows-NT products. +

## NetFRAME Systems PCVENC

NetFRAME supports its Network Server Systems in its support section of the PC Vendor C Forum. +

## Network General NETGENERAL

Network provides support for its networking analysis products in its section of the PC Vendor C Forum. Access this section to get support and information on the Sniffer family of network analysis products. +

## NetWorth Inc. NVENB

NetWorth develops, manufactures and supplies NetWare-optimized intelligent hubs and related products. Obtain support from NetWorth in its section of the Novell Vendor B Forum. +

## New Horizons AMIGAVENTOR

New Horizons Software, Inc. produces personal productivity packages for the Amiga computer including ProWrite, ProScript and Flow. New Horizons supports these products online in the Amiga Vendor Forum. +

## New Media Graphics MULTIVEN

Representatives from New Media Graphics support its full line of desktop video products for IBM PCs and compatibles in its section of the Multimedia Vendor Forum. +

## NewTek AMIGAVENTOR

NewTek has many products exclusively for the Amiga computer. NewTek's products supported in the Amiga Vendor Forum include Digi-View, Digi-Paint3, Digi-View Gold and the Video Toaster. +

## Newton/PIE Forum NEWTON

The Newton/PIE Forum provides the latest advancements and enhancements for the new line of personal information organizers from Personal Interactive Electronics (PIE), a division of Apple, Inc. PIE's Newton Group has developed the Newton MessagePad, the first in its line of pen-based personal communicators. The forum provides end-user support for the Newton MessagePad. Topics covered include development and connectivity issues related to IBM PCs and Macintosh platforms. +

## NeXT Forum NEXTFORUM

The NeXT Forum provides technical support for users of NeXT computers and products. Through the message sections and libraries, you can learn more about NeXT products such as Interface Builder, Edit and Webster and other NeXT application software from companies such as WordPerfect, Frame Technology and Lotus. +

## Nisus Software MACAVEN

Nisus provides support for Nisus, its Macintosh word processor, in the Nisus section of the Mac A Vendor Forum. +

## Northgate Computer Systems, Inc. NORTHGATE

Northgate Computer Systems supports Microstation—high performance 286 Computer Systems; SlimLine—high performance 286, 386DX and 386SX computer systems, the SlimLine series; Elegance—high performance 386 and 486 computer systems; and Omni, including the Omnistation, OmniSystem and OmniKey keyboards in the Northgate Computer section of the PC Vendor A Forum. +

## Norton-Lambert PCVENI

Obtain support for Close-Up, Norton-Lambert's remote control program for speeding up your Windows applications, in its section of the PC Vendor I Forum. +





## **Network Corporation**    NETWORK

Network provides support for its LAN-based electronic mail program and related communications software in the Network section of the Novell Vendor A Forum. +

## **Novell**    NETWIRE

Novell's NetWire forums and services provide 24 hour information and direct technical support for those who maintain, sell, develop, support and use Novell products. NetWire's online resources include direct product support for all Novell products as well as access to the latest files, patches, fixes and technical documents. Some of the searchable databases include the Novell Labs compatibility DB, Novell Buyer's Guide Live! DB, Technical Information DB (includes technical documents, abstracts and self-extracting binary files), Press Releases DB, Success Stories DB, NPD Bullets DB (for developers), Novell Service Providers DB and NetWare Application Notes. +

## **Novell Buyer's Guide**    NOVBG

The Novell Buyer's Guide is a database of all of Novell's products. The products are categorized into operating system, network services, communications, inter-networking, Unix connectivity and network management products. The database also includes NetWare application and UnixWare developer tools. +

## **Novell Client Forum**    NOVCLIENT

Issues such as IPX/ODI, NetX, VLM, ODINSUP, NetBios and NetWare with Windows are discussed in detail in the Novell Client Forum. For information on other Novell products and topics, see the other Novell forums in this section. +

## **Novell Connectivity Forum**    NCONNECT

Connectivity issues related to Host connectivity and printing, NetWare Connect, NACS, WANs, NetWare IP, Portable NetWare, E-Mail, MHS and FAX are discussed in the Novell Connectivity Forum. In addition, the message areas contain information on connections to various environments such as Macintosh, VMS and TCP/IP. For information on other Novell products and topics, see the other Novell forums in this section. +

## **Novell Desktop Systems Group Forum**    NDESKTOP

The Desktop Systems Group Forum is a professional forum for end users and software developers. Topics cover application notes and patches, concurrent operating system information, DR-DOS, NetWare Lite, Dataclub and graphics. In addition, end user support and information are available. +

## **Novell Files Area**    NOVFILES

This area contains the most popular files from the Novell Library. When the files become downloaded less frequently, they are returned to the Novell Library. Besides highly active files, the Novell Files Area contains critical files, including patches, product updates and client kits. GO NOVLIB for other Novell files. +

## **Novell Forums**    NOVFORUM

Users of Novell's local area network products receive support and technical information directly from Novell through the Novell Forums. Issues such as compatibility and ways to integrate various types of hardware and software into Novell's systems are discussed.

## **Novell Information Forum**    NGENERAL

General information about Novell's products can be found in the Novell Information Forum. Programs discussed include Certified NetWare Engineers (CNE), CNE Professional Association (CNEPA), NetWare Users International (NUI) and NetWare Authorized Service Center (NASC) programs. The message areas also contain information and discussion regarding NetWare Application Notes and the Network

Support Encyclopedia (NSEPro). For information on other Novell products and topics, see the other Novell forums in this section. +

## **Novell Library**    NOVLIB

The Novell Library is the distribution point for Novell files uploaded or downloaded in NetWire. A message section is available for questions about files that appear in the libraries. +

## **Novell NetWare Support Providers Directory**    NWSUPPORT

Users of Novell's products such as NetWare can quickly locate support providers within a specific geographic area or those that offer special services. Search for support providers by company name, service, or geographic location. Each description provides the name, headquarter and branch locations, telephone numbers, products supported and services provided. +

## **Novell NetWare 2.X Forum**    NETW2X

The Novell NetWare 2.X Forum provides information and answers to questions relating specifically to NetWare version 2.X. Individual sections are devoted to printing, utilities, disk drivers and controllers. For information on NetWare 3.X, see Novell NetWare 3.X Forum. Information on NetWare 4.X can be found in the Novell NetWare 4.X Forum. +

## **Novell NetWare 3.X Forum**    NETW3X

The Novell NetWare 3.X Forum provides information and answers to questions relating specifically to NetWare version 3.X. Individual sections are devoted to printing, utilities, disk drivers and controllers. For information on NetWare 2.X, see Novell NetWare 2.X Forum. Information on NetWare 4.X can be found in the Novell NetWare 4.X Forum. +

## **Novell NetWare 4.X Forum**    NETW4X

The Novell NetWare 4.X Forum provides information and answers to questions relating specifically to NetWare version 4.X. Individual sections are devoted to printing, utilities, disk drivers and controllers. For information on NetWare 2.X or 3.X see the Novell NetWare 2.X Forum or the Novell NetWare 3.X Forum. +

## **Novell Network Management Forum**    NOVMAN

The Novell Network Management Forum provides information on several system management products such as NetWare management system, Lantern system manager and Lanalyzer for Windows. For information on other Novell products and topics, see the other Novell forums in this section. +

## **Novell Networking Hardware/Components Forum**    NOVHW

Novell's Networking Hardware/Components Forum provides discussion and information on networking topologies such as Token Ring, Ethernet and ARCnet. The message areas also provide information on backup and cabling issues. For information on other Novell products and topics, see the other Novell forums in this section. +

## **Novell OS/2 Forum**    NOVOS2

Your networking questions about NetWare for OS/2 can be answered in the Novell OS/2 Forum. The message areas include the following topics: OS/2 Printing, Client/Server issues, OS/2 Requestor, MSM (OS/2), NetWare 4.X for OS/2, GUI Tools and WINOS2/DOS. For information on other Novell products and topics, see the other Novell forums in this section. +

## **Novell User Library Forum**    NOVUSER

Download third party public domain and shareware software for NetWare environments from the Novell User Library Forum. If you have developed a NetWare software program, upload it into the forum's libraries. The libraries also contain patches for disk drivers, LAN drivers and communication drivers; printer utilities; management tools; job postings and classifieds. +

## **Novell Vendor A Forum**    NVENA

The Novell Vendor A Forum provides members with support for NetWare related products. This forum includes the following companies: AST Research, Best Power Technology, Blue Lance, Computer Tyme, Concurrent Controls, Inc., CONUG, Inc., Dell, Folio, Infinite Technologies, Intelligent Micro Software, Ltd., Knozell Systems, Inc., LAN Support Group, Network Corporation, RoseWare, SynOptics Communications, Inc. and Tricord Systems. You will be able to obtain information from these companies regarding pricing, product releases, technical requirements and bifunctionality. +

## **Novell Vendor B Forum**    NVENB

The Novell Vendor B Forum is the second vendor forum available under the NetWare umbrella. This forum includes the companies NetWorth and Ontrack Data Recovery. You will be able to obtain information from these companies regarding pricing, product releases, technical requirements and bifunctionality. For information on other Novell products and topics, see the other Novell forums in this section. +

## **nTergaid**    NTERGAID

Find online support for HyperWriter, nTergaid's hypermedia authoring software, in the nTergaid section of the Multimedia Vendors Forum, along with support for other hypermedia-related products. +

## **Nu-Mega Technologies**    NUMEGA

Nu-Mega Technologies provides support for its memory managers, Soft-ICE and Bounds-Checker, in its section of the Windows 3rd Party Applications B Forum. +

## **Object Design**    ODIFORUM

Object Design provides support for ObjectStore, an object-oriented database management system, in its section of the PC Vendor H Forum. +

## **Ocean Isle Software**    OCEANISLE

Obtain support for ReachOut, Ocean Isle Software's file manager, in its section of the Windows 3rd Party Applications B Forum. +

## **Okna Corporation**    OKNA

Okna, producers of organizing and scheduling software, provide support for DeskTop Set in its section of the Windows 3rd Party Applications D Forum. +

## **Olduvai Corporation**    MACBVEN

Olduvai provides support for its products including Read-It!, OCR for any scanner, Personal, MultiClip, ClipShare and Video Pain in the Olduvai section of the Mac B Vendor Forum. +

## **On Three, Inc.**    APIIVEN

On Three, Inc. supports its hard disk backup utility, GoBack, in its section of the Apple II Vendor Forum. +

## **Online Today**    OLT

Online Today provides daily updated computer and information industry news, CompuServe news, product announcements, reviews of new hardware, software, books and more.



### **Ontrack Data Recovery** NVENB

Ontrack Data Recovery specializes in recapturing lost data from most any device and on most any operating system. Obtain information about Ontrack's Data Recovery Service and Data Recovery Tools for NetWare in its section of the Novell Vendor B Forum. +

### **Opcode Systems Incorporated (MIDI)**

MIDI/VENDOR or MACBVEN

Find support for products developed by Opcode Systems in its section of the MIDI A Vendor Forum. Opcode manufactures an array of products for the MIDI environment including CUE-The Film Music System, EZ Vision, Galaxy, Max, Music Shop, OMS, Studio 5/4/3, Studio Vision, Track Chart and Vision. +

### **Oracle Forum** ORACLE

The Oracle Forum provides support for Oracle users and links them directly to the International Oracle Users Group, Oracle developers and other professionals who respond to technical questions. Scan the forum's technical libraries for tips and solutions to common questions about Oracle products, including SQL\*Forms, SQL\*Plus and Pro\*C. Also become acquainted with the IOUG. +

### **Oregon Research Associates** ATARIVEN

Oregon Research Associates provides support for its Atari compatible programming, database and graphics programs in the Atari Vendors Forum. +

### **OSC** MIDICVEN

OSC supports Metro, its MIDI software, in its section of the MIDI C Vendor Forum. +

### **OS-9 Forum** OS9

The OS-9 Operating System Forum is dedicated to users of the OS-9 operating system. The forum contains programs, utilities, data files, hints, tips and discussions that pertain to OS-9. +

### **OS/2 Monthly** OS2AVEN

Download files from past issues of *OS/2 Monthly* magazine in OS/2 Monthly's section of the OS/2 Vendor Forum. +

### **OS/2 Vendor Forum** OS2AVEN

Users of OS/2 can obtain support from a number of OS/2 applications developers and products for the OS/2 environment in the OS/2 Vendor Forum. Obtain support from vendors such as BocaSoft, Development Technologies, Gpf Systems, HockWare, Micro Decisionware, OS/2 Monthly, Proportional, Soft & GUI, Sourceline Software and Sundial Systems. In the forum, you can also discuss OS/2-related issues with the editors of *OS/2 Monthly*. +

### **Other Ban Patchware Forum** BANPATCH

The Other Ban Patchware Forum contains patches for Banyan networking products such as ENS that are not Vines specific. For Vines 4.X specific patches, GO VINES4 or for Vines 5.X, GO VINES5. +

### **Pacific Data Products, Inc.** PACDATA

Pacific Data Products manufactures a full line of printer utilities, drivers and spoolers including printer boards and cartridges. Find support for its products in the PC Vendor D Forum. +

### **Pacific Motion** PRES

PC ANIMATE PLUS is a professional quality computer art, video, music and painting package which can be used to produce professional animated business presentations, movies, cartoons, advertisements, TV station breaks and music videos. Find support for PC ANIMATE PLUS in the Presidio Software section of the Graphics A Vendor Forum. +

### **Pacific Vendor Forum** PACVEN

In the Pacific Vendor Forum, you can obtain support from Australian and New Zealand manufacturers and distributors of computer products. The companies represented include: Banksia Modems, Fujitsu Peripherals, FutureWave/Banyan, Maestro, Manaccomm, Netcomm, Network World, Reckon Software, Seacorp, SoundBlaster, System Builder and WizardWorks with new vendors regularly being added. +

### **Packard Bell Forum** PACKARDBELL

Packard Bell computer users should join this forum to communicate directly with representatives from Packard Bell and obtain technical support. Meet others who can offer advice and trouble-shooting tips for the products you use. The libraries contain files about many products designed for PB computers such as mouse drivers, video card drivers, anti-virus software, shareware utilities and multimedia enhancers. +

### **PagePlus** PAGEPLUS

Serif supports PagePlus, its desktop publishing software in the Serif section of the DTP Vendor B Forum. +

### **Palmtop Forum** PALMTOF

The Palmtop Forum provides information about the smallest type of computers. Members discuss topics such as how to interface a palmtop with a desktop system and use a palmtop for telecommunications. Besides general discussions about palmtop computing, this forum also offers its members individual message sections and library files devoted to specific models and brands of palmtop computers. Several vendors of palmtop products are online offering technical support for their products. This forum includes the following vendors: Casio Inc., Databook Incorporated, Poqet Computer, Psion Inc., Sharp Electronics Corporation and Traveling Software, Inc. See each vendor's individual description within this section for a list of supported products. +

### **Paradigm Software, Inc.** LOGOFORUM

Find support for Object Logo, developed by Paradigm Software for the Macintosh, in the Object Logo section of the Logo Forum. +

### **Parsons Technology, Inc.** PARSONS

MoneyCounts, Quickverse, Personal Tax Edge and other Parsons Technology products are supported online by Parsons Technology technical support staff. +

### **Passport Designs** MIDIBVEN

Passport Designs supports its line of Encore and Music Time MIDI/Notation, MasterTracks and Trax Midi Sequencers, and Producer products in its section of the MIDI B Vendor Forum. +

### **Paul Mace Software** GRASP

Paul Mace Graphics Software provides support for its GRASP presentation/animation program in the Grasp section of the Graphics A Vendor Forum. +

### **PC/Contact Forum from PC/Computing** PCCONTACT

PC/Contact, part of ZiffNet (GO ZIFFNET), is a forum for discussions among *PC/Computing's* editors and readers. In addition to exchanging ideas or getting questions answered from your favorite writers or editors online, you can contact the PC/Advocate about problems with vendors or talk to the Phantom Shopper to share your experiences with computer dealers around the country. Plus you can browse through the library and download productivity tips and tricks. +

### **PC-Kwik Corporation** PCVENA

PC-Kwik provides support for Super PC-Kwik, PC-Kwik Power Disk and PC-Kwik Power Pack in its section of the PC Vendor A Forum. +







### PC MagNet Forums from PC Magazine PCMAGNET

PC MagNet, part of ZiffNet (GO ZIFFNET), is the source for some of the finest utilities that meet the high standards of *PC Magazine*. Download utilities from the latest issues. Contact the staff at *PC Magazine* and ask for advice, tell the editors what you thought about their latest product review, debate the issues with the columnists and get answers to your specific questions. Visit any or all of *PC Magazine's* popular forums, Utilities/Tips, Editorial, Programming and After Hours. +

### PC Magazine UK Online PCUKONLINE

PC Magazine UK, sister to the US publication, uses extensive laboratory testing and technical writers to produce its articles on PCs, peripherals and software. You can contact PC Magazine UK's editorial department and PC Labs through the PC Magazine UK Forum (GO PCUKFORUM). This area also has files and additional information from the magazine which can be downloaded. Look for lively arguments, special guests and competitions in this forum. +

### PC Plus/PC Answers Online PCPLUS

PC Plus/PC Answers Online is the place for readers of the UK-published *PC Plus* and *PC Answers* magazines to communicate directly with the editors, download and upload shareware programs, submit articles to the magazines and receive information about the programs on each SuperDisk. This area also contains the PC Plus/PC Answers Forum (GO PCPFORUM), which enables you to chat with other readers and editorial staffs about information published in the

magazines and pose your PC-related questions to the magazine experts. Download programs included in the magazines' cover disks. These contain shareware programs such as word processors, DOS utilities, games and packages from popular publishers such as Lotus. +

### PC Vendor A Forum PCVENA

The PC Vendor A Forum provides members with support from vendors of PC products. This forum includes the following companies: ButtonWare, Ctrlalt Associates, Custom Technologies, DeScribe, Enable Software, Foresight Corporation, Magee Enterprises, Mansfield Software, Mustang Software, Northgate Computer Systems Inc., PC-Kwik Corp., Qualitas, Quercus Systems, Rhode Island Soft Systems and Saber Software. See each vendor's individual description within this section for a list of supported products. Libraries contain help files, programs and patches for the products. For support from additional PC vendors, see the other PC Vendor forums or specific software publishers' forums. +

### PC Vendor B Forum PCVENB

The PC Vendor B Forum provides members with support from vendors of PC products. This forum includes the following companies: Advanced Gravis Computer Technology, DacEasy, Greenleaf Software, Hyperware, Inmagic, J.P. Software, Korenthal Associates, Personics Corporation, PowerBASIC, Powercore, Inc., Primavera Systems, PRO-C Corporation, Prolog Development Center and TurboPower Software. See each vendor's individual description within this section for a list of supported products. Libraries contain help files, programs and patches for the products. For support from additional PC vendors, see the other PC Vendor forums or specific software publishers' forums. +

### PC Vendor C Forum PCVENC

The PC Vendor C Forum provides members with support from vendors of personal computer products. This forum includes the following companies: Beyond, Inc., Hooper International, Innovative Data Concepts, Interactive Images, M-USA, NetFRAME Systems, Network General, PKWare, Rhintek, Inc., Rupp Corporation, Vericom Corporation and Wordtech Systems. See each vendor's individual description within this section for a list of supported products. Libraries contain help files, programs and patches for the products. For support from additional PC vendors, see the other PC Vendor forums or specific software publishers' forums. +

### PC Vendor D Forum PCVEND

The PC Vendor D Forum provides members with support from vendors of personal computer products. This forum includes the following companies: Above Software, BLOC Publishing, Brightwork Development, Clarion Tech Journal, Complementary Solutions Inc., Cumulus Corporation, GammaLink, Hyperkinetix, Legato Systems, Magma Systems, Micropolis Corporation, Pacific Data Products, Procom Technology Inc., Tech III and Timeslips Corporation. See each vendor's individual description within this section for a list of supported products. Libraries contain help files, programs and patches for the products. For support from additional PC vendors, see the other PC Vendor forums or specific software publishers' forums. +

### PC Vendor E Forum PCVENE

The PC Vendor E Forum provides members with support from vendors of PC products. This forum includes the following companies: AddStor, Inc., Alpha Software, American Cybernetics, American Power Conversion, DSI Software Systems, Farallon, Hyundai, Iomega, SemWare and Zeos. See each vendor's individual description within this section for a list of supported products. Libraries contain help files, programs and patches for the products. For support from additional PC vendors, see the other PC Vendor forums or specific software publishers' forums. +

### PC Vendor F Forum PCVENF

The PC Vendor F Forum provides members with support from vendors of PC products. This forum includes the following companies: Acer America, Avery Dennison, Command Software Systems, Faircom Corp., Funk Software, Hilgraeve, MIP Fund Accounting, PCMCIA, Peachtree Software, Pure Data, Ltd, Storage Dimensions, TRIUS and Willis' Computer Software Co. See each vendor's individual description within this section for a list of supported products. Libraries contain help files, programs and patches for the products. For support from additional PC vendors, see the other PC Vendor forums or specific software publishers' forums. +

### PC Vendor G Forum PCVENG

The PC Vendor G Forum provides members with support from vendors of PC products. This forum includes the following companies: ALR, Brown Bag Software, Cheyenne Software, Cogent Data Technologies, Futurus Corporation, Helix Software, Identitech, Inc., Madge Networks, Magic Software, Mitchell and Gauthier, Pinnacle Publishing, Reach Software Corporation, SofNet, SunDisk, Swan Technologies and Vertisoft. See each vendor's individual description within this section for a list of supported products. Libraries contain help files, programs and patches for the products. For support from additional PC vendors, see the other PC Vendor forums or specific software publishers' forums. +



## PC Vendor H Forum PCVENH

The PC Vendor H Forum provides members with support from vendors of personal computer products. This forum includes the following companies: Alcom, Datapoint Corporation, IQ Technologies, Lahey Computer Systems, Landmark Research, Micro Focus, Micronetics Design, Object Design, Performance Technology, PCI SIG, Reality Technologies, ReferencePoint, RTA, Ltd., Strategic Mapping, WATCOM and Xircom. See each vendor's individual description within this section for a list of supported products. Libraries contain help files, programs and patches for the products. For support from additional PC vendors, see the other PC Vendor forums or specific software publishers' forums. +

## PC Vendor I Forum PCVENI

The PC Vendor I Forum provides members with support from vendors of PC products. This forum includes the following companies: Allied Teledin, Banner Blue Software, Expert Choice, Future Trends Software, Greenview Data, Kingston Technology, Norton-Lambert, Pocket Soft, Sealevel Systems, Sytron Corporation and World Software. See each vendor's individual description within this section for a list of supported products. Libraries contain help files, programs and patches for the products. For support from additional PC vendors see the other PC Vendor forums or specific software publishers' forums. +

## PC Vendor J Forum PCVENJ

The PC Vendor J Forum provides members with support from vendors of PC products. This forum includes the following companies: Butterworth Legal, Fujitsu, FrontLine Software, Lascaux Graphics and Westech Corporation. See each vendor's individual description within this section for a list of supported products. Libraries contain help files, programs and patches for the products. For support from additional PC vendors, see the other PC Vendor forums. +

## PC Week NEWS

PC Week is online as part of ZiffNet (GO ZIFFNET) enabling you to keep up with all the industry news — you can even see the headlines and full text of news stories the Friday before they are published. See what the notorious Spencer F. Katt has discovered this week or discuss the news and issues of the industry with the writers, editors and other readers of the magazine. +

## PC Week Extra! Forum from PC Week PCWEEK

The PC Week Forum on ZiffNet (GO ZIFFNET) provides a platform for corporate buyers and the writers and editors of PC Week to exchange information and ideas on what products and services to buy, plus an opportunity to debate industry issues. PC Week news headlines and full text are available online the Friday before they are published to keep you up to date on the industry. +

## PC WORLD Online PCWORLD

PC World Online is the online version of the monthly magazine that helps maximize your productivity with hardware and software. PC World Online contains detailed product reviews, how-to articles and special reports on consumer issues. Other services include a searchable database of previous issues and libraries of freeware and shareware. The message boards enable you to communicate directly with the editors of PC World, other subscribers, and system operators about the latest industry trends and other subjects. PC World Online also features the "Online Exclusive Area," of news, reviews and commentaries, prepared exclusively for online subscribers. +

## PCI SIG PCVENH

Members of Peripheral Component Interconnect (PCI), an organization to set standards in the microcomputer industry, offer the Special Interest Group (SIG) in the PC Vendor H Forum. This SIG enables people to learn about PCI and its effects on the microcomputer world. +

## PCMCIA PCVENF

Access the PCMCIA section of the PC Vendor F Forum to learn how to join the Personal Computer Memory Card International Association (PCMCIA), a non-profit trade association that develops standards for PC cards. An address, telephone number and fax number are available for finding more information. +

## PDP-11 Forum PDP11

This forum encourages the exchange of software designed to run on Digital Equipment Corporation's PDP/LSI computer systems and covers many languages used on PDPs including Macro, Fortran, Basic, Basic-Plus, C, DIBOL & DBL and Pascal. PDP-11 Users Group is designed to facilitate communication between users of the PDP-11, LSI-11 and PDP-10 series of computers. +

## Peachtree Software PEACHTREE or WINPEACH

Peachtree Software supports its full line of accounting products within its support section and library of either the PC Vendor F Forum or the Windows 3rd Party Applications D Forum. Representatives from Peachtree provide assistance for products including Peachtree Basic Accounting, PeachPay and Peachtree Complete Accounting. +

## Pen Magazine PENFORUM

Access the PenWorld section within the Pen Technology Forum for discussions on the articles published in *Pen Magazine*. Also learn about new pen computer products and communicate directly with the staff at *Pen Magazine*. +

## Pen Technology Forum PENFORUM

The Pen Technology Forum provides support for all aspects of pen-based computing. Pen systems range from small hand-held units to full-featured desktop systems with keyboards and writing tablets. This forum covers topics related to pen-based hardware and software, new communication systems including satellite and cellular links and the latest news and trade show reports. Company representatives from Communication Intelligence Corp. (CIC), GO Corp., GRID Systems, *Pen Magazine* and Slate Corp. provide online technical support and product information within this forum. See each vendor's individual description within this section for a list of supported products. +

## Performance Technology PERFTECH

Access Performance Technology's section of the PC Vendor H Forum to obtain support for POWERlan or POWERSave. +

## Personal File Area PER

As a CompuServe member you are able to store files on CompuServe. This menu choice enables you to catalog those files, edit them, rename them, change their protection level or delete them. A hard-copy printout of your files can be mailed to you for the printing and mailing charges. You can upload and download files from this area, however, please read your Users Guide before using the command mode. +

## Personics Corporation PCVENB

Personics provides technical support for @Base, HeadMaster, Look&Link, SeeMore, SmartNotes and UltraVision in the PC Vendor B Forum. +

## PG Music PGMUSIC

PG Music, publishers of Band-in-a-Box and PowerTracks, provides online technical support via a section in the MIDI A Vendor Forum. +

## Pinnacle Publishing PINNACLE

Pinnacle supports its software tools, special reports and technology reference journals for DOS and Windows users in its support section of the PC Vendor G Forum. +

## PKWare PKWARE

PKWare supports its data compression products in the PC Vendor C Forum. Its product line includes PKZIP, PKUNZIP, PKSX (Shareware), PKLITE (Shareware), PKLITE Professional (Commercial) and PKZMENU (Shareware). +

## Playroom Software PLAYROOM

Playroom Software supports its series of environment enhancement products such as Button Maker, Makeover and OSFrame in the Playroom section of the Windows 3rd Party Applications A Forum. +

## Plug and Play Forum PLUGPLAY

Members of the Plug and Play Forum can discuss the hardware and software issues involved with implementing Plug and Play on PCs. Plug and Play is a protocol through which cards in an ISA PC are configured by the computer. Therefore, the user does not need to deal with configuration programs. The forum is operated by several hardware and software manufacturers. +

## Pocket Soft PCVENI

Pocket Soft supports .RTLink/Plus, an overlay linker for DOS, in its section of the PC Vendor I Forum. +

## Polaris Software POLARIS

Polaris Software produces PackRat, a personal information manager for the Windows environment. PackRat is supported in the Polaris Forum. +

## Poquet Computer POQUET

Access the Poquet Computer section of the Palmtop Forum to find support for Poquet Computer's palmtop computer line. +

## Portable Programming Forum CODEPORT

The Portable Programming Forum supports programmers who use various computer languages, such as Modula-2, C-language, UCSD Pascal and P-System, that are highly portable between different hardware platforms. Learn more about portable languages not supported by other CompuServe forums within this forum. Members work with one another on joint, online projects. +

## Portfolio Systems MACAVEN

Portfolio Systems provides technical support for its Dynodex product in the Portfolio Systems section of the Mac A Vendor Forum. +

## Power Industries LP LOGOFORUM

Access the LOGO Forum to find support for Power Industries' Delta Drawing Today product. +

## PowerBASIC PCVENB

Find support for PowerBASIC 2.0 in PowerBASIC's section of the PC Vendor B Forum. +

## Powercore, Inc. POWERCORE

Access the Powercore section of the PC Vendor B Forum to obtain technical support and product information on Powercore's complete line of scheduling and calendar products, including Network, Scheduler 3 and TimeVision. +



**Powersoft POWERSOFT**

Access the Powersoft Forum to obtain support for Powersoft's client/server application development tools such as PowerBuilder and PowerPoint. +

**Practical Peripherals Forum PPIFORUM**

The Practical Peripherals Forum provides help, advice and technical support for owners of products manufactured and sold by Practical Peripherals and anyone else with an interest in computers and telecommunications. P/Net, which can tie a group of computers and peripherals together, is discussed along with modems, communication programs and printer buffers. Libraries contain utilities, shareware, information files and P/Net files. +

**Precision Software (Atari) ATARIVEN**

Access the OXXI/Precision section of the Atari Vendors Forum to obtain support for Precision's full line of Atari Products. +

**Premia Corporation PREMIA**

Premia Corporation provides support for Copyright Editor in its section of the Windows 3rd Party Applications A Forum. +

**Primavera Systems, Inc. PCVENB**

Primavera Systems, Inc. offers technical support for its products including Primavera Project Planner (P3), Primavision, Finest Hour, Parade and Expedition within PC Vendor B. +

**Prisma GmbH Forum PRISMA**

The Prisma GmbH Forum provides technical support in German for users of Macintosh software and hardware, which is provided by the German distributor, Prisma. The forum's members can meet to swap ideas and get expert advice from the Prisma sysops. Help files, utility programs and drivers are available in the forum's libraries for all hardware and software products. +

**PRO-C Corporation PCVENB**

PRO-C Corporation provides technical support for PRO-C products in its section of the PC Vendor B Forum. +

**Procom Technology, Inc. PTINC**

Procom Technology manufactures storage devices for the PC industry. Its products range from fixed drives with either SCSI, IDE, ESDI or Micro Channel interfaces to a full range of external SCSI devices such as CD-ROMs, removable drives, erasable optical drives, tape back-up devices and the latest floptical drive. Procom also develops SCSI host adapters. Find support for all of these products in the Procom Technology section of the PC Vendor D Forum. +

**Prolog Development Center PCVENB**

Support for PDC Prolog Compiler 3.2, PDC Prolog Toolbox, PDC Prolog Advanced Developer's Guide and Turbo Prolog is provided in the PDC Prolog section of the PC Vendor B Forum. +

**Prometheus MODEMVEN**

Prometheus supports its line of ProModems, Home Office modems and communication software such as Macknowledge in its section of the Modem Vendor Forum. +

**Proportional OS2AVEN**

Proportional supports its disk compression facility, DCF/2, in its section of the OS/2 Vendor Forum. +

**Protoview PROVIEW**

Protoview provides support for its development tools including ProtoView C, Pascal and C++ for the Windows environment in the Protoview section of the Windows 3rd Party Applications C Forum. +

**PSI Integration PSIINTEGRATION**

PSI provides support for its modems such as PowerModem and accompanying software such as FaxThis and SoftArc in its section of the Modem Vendor Forum. +

**Psion, Inc. PALMTOP**

Find support for Psion's full line of handheld computers, including the Organiser II and Series 3 Palmtop in the Psion Inc. section of the Palmtop Forum. +

**Public Brand Software Applications Forum PBSAPPS**

The PBS Applications forum is a shareware library with a large selection of downloadable shareware, including business applications, utilities and programming tools for DOS and Windows. For games and hobbies shareware see the PBS Arcade Forum (GO PBSARC). Part of ZiffNet (GO ZIFFNET). +

**Public Brand Software Arcade Forum PBSARC**

The PBS Arcade Forum is a shareware library with a large selection of games and hobbies. Download programs pertaining to home, education, engineering and math applications for both DOS and Windows. You can also ask questions of PBS staff regarding the shareware. For more information on PBS shareware, see the Public Brand Software Applications Forum (GO PBSAPPS). Part of ZiffNet (GO ZIFFNET). +

**Pure Data, Limited PUREDATA**

Pure Data, designer and manufacturer of LAN connectivity and fax/modem products, provides support for its products within the PC Vendor F Forum. +

**Q+E Software QESOFT**

Q+E Software's database products are supported in Q+E's section of the Windows 3rd Party Applications D Forum. Obtain support for products such as MultiLink, QELIB, QEVb and Q+E Database Library. +

**QMS QMSPRINT**

QMS provides support for its complete line of non-impact print systems including the QMS-PS 410, QMS-PS 815, QMS-PS 825, QMS-PS 810 and the ColorScript 100 Model 10. Support for these products is available in the QMS section of the Desktop Publishing Vendor Forum. +

**QSound Labs, Inc. MULTIBVEN**

QSound supports its line of multimedia software in its section of the Multimedia B Vendor Forum. +

**Qualitas QUALITAS**

Support for 386MAX, BLUEMAX and MOVE'EM is provided by Qualitas within its section of the PC Vendor A Forum. +

**Quarterdeck Forum QUARTERDECK**

For technical support for products such as DESQview 386, QEMM 386, QRAM, Manifest, DESQview and QEMM-50/60, join the Quarterdeck Forum. Quarterdeck representatives are available to supply complete and accurate information about these products and others. Learn helpful usage and trouble-shooting tips from experienced users and by browsing through library files. +

**Quercus Systems QUERCUS**

Quercus provides technical support for its Personal REXX and REXXTERM in its section of the PC Vendor A Forum. +





### Quick Pictures Forum QPICS

Clipart, missing children and GIF images with fewer than 33 colors comprise the Quick Pictures collection. The GIFs in Quick Pictures tend to look better on computers with lower-resolution graphics and, as a rule, take less time to download. +

### Radius Incorporated MACBVEN

Find support and information about Radius products in its section of the Mac B Vendor Forum. +

### RCA Records RCARECORDS

Find out tour information or release dates for your favorite RCA artist in RCA's section of the Music Vendor Forum. +

### Reach Software Corporation REACH

Reach Software supports Personal MailMAN and WorkMAN 2.0 for Novell NetWare and Banyan VINES platforms in its support section of the PC Vendor G Forum. +

### Reality Technologies REALITY

Access Reality's section of the PC Vendor H Forum to obtain support for Wealthbuilder, Reality's financial manager program. +

### ReferencePoint RPOINT

ReferencePoint provides support for its document manager program in its section of the PC Vendor H Forum. +

### Revelation Technologies Forum REVELATION

To build on innovative ideas in database programming, visit with the members of the Revelation Technologies Forum. Sponsored by Revelation Technologies, this forum is designed to support users of the relational database, Advanced Revelation. Members share their experiences in developing application programs using this relational database and help others learn how to develop database programs. +

### Rhintek PCVENC

Access Rhintek's section of the PC Vendor C Forum to obtain support for its EMU line of networking software. +

### Rhode Island Soft Systems RISS

Obtain support for EMER! Cardfile Reader and WinPak screen saver in RISS's section of the PC Vendor A Forum. +

### Right Answers AMIGAVENDOR

Right Answers provides technical support for its products such as LOADFAST in the Amiga Vendor Forum. +

### Rix Softworks RIXSOFT

Rix Softworks provides support for its paint programs including ColoRix for DOS and WinRix for Windows in the Rix Softworks section of the Graphics A Vendor Forum. +

### Roland Corp. MIDICVEN

Roland provides support for its line of musical synthesizers, Sound Canvas modules, GR MIDI guitars, SC sound card, drum machines, controllers, mixers and effects units in the MIDI C Vendor Forum. +

### RoseWare ROSEWARE

RoseWare provides support for its book, *Programmer's Guide to NetWare*, and its technical journal, *Network Developer's Resource*, in the RoseWare section of the Novell Vendor A Forum. +

### RTA, Ltd. PCVENH

Real Time Associates (RTA) provides support for its products relating to modular programming languages like Modula-2 and Oberon-2 in its section of the PC Vendor H Forum. +

### Rupp Corporation RUPP

FastLynx, FastLock Plus and FastLynx LapPack are supported by Rupp Corporation in the PC Vendor C Forum. +

### Saber Software SABERSOFT

Saber Software supports its network administration software such as LAN Workstation and Saber Menu System for DOS and Windows in its section of the PC Vendor A Forum. +

### Salient Software FIFTHGEN

Representatives from Salient Software support its full line of products within the Symantec FGS Forum. Receive technical support directly from Salient Software. +

### Santa Cruz Operation Forum SCOFORUM

The SCO Forum supports all SCO end-users, resellers, developers and partners. Sponsored by Santa Cruz Operation, Inc., the forum provides a place for over five million SCO system users worldwide to meet, share information and exchange tips on using SCO's line of Open Desktop, UNIX and XENIX operating systems. Through the forum, SCO also provides product information, bug fixes and advice. +

### Saros SAROS

Saros Corporation produces and supports its series of network file management facilities including Mezzanine and Viewz in the Saros section of the Windows 3rd Party Applications C Forum. +

### Schemers, Inc. LOGOFORUM

Schemers provides support for its Logo-based products such as Scheme and EdScheme in the Schemers section of the LOGO Forum. +

### Scitex America Corp. SCITEX

Scitex America Corp. produces and supports its series of prepress products for the publishing industry. These products are supported in the Scitex section of the Desktop Publishing Vendor Forum. +

### Scitor Corporation SCITOR

Scitor supports Project Scheduler 6 in its section of the Windows 3rd Party Applications E Forum. +

### Sealevel Systems PCVENI

Sealevel supports its Advanced Communication Boards in its section of the PC Vendor I Forum. +

### SemWare SEMWARE

SemWare is providing support for QEdit, its full-featured text editor, within its section of the PC Vendor E Forum. +

### Seven Hills Software APIIVEN

Seven Hills' section of the Apple II Vendor Forum supports The Manager, a multifinder for the Apple IIGS. +

### Seybold Newsletters and Seminars SEYBOLD

In this section of ZiffNet, you can order computer industry newsletters, including *Digital Media - A Seybold Report*, *Seybold Report on Desktop Publishing* and *Seybold Report on Publishing Systems*, from the Seybold research organization. Get the inside scoop on the Seybold conferences, including conference syllabi and event schedules. Part of ZiffNet (GO ZIFFNET). +

### ShapeWare VISIO

Obtain support for ShapeWare's drawing and stenciling package, Visio, in its section of the Windows 3rd Party Applications D Forum. +

### Sharp Electronics Corporation SHARP

Sharp Electronics Corporation provides support for its Wizard line of handheld organizers in the Sharp Wizard section of the Palmtop Forum. It also provides support for its PC-3000 product line in the PC-3000 section. +

### Sight and Sound Forum SSFORUM

Join the Sight and Sound Forum to discuss and learn about all aspects of computerized visual and audio equipment from techniques for enhancing images with sound to combining graphics and sound files. Obtain sequences from the MIDI song library, wave files and the latest drivers from the sound card library or participate in the fun of determining the future of GIF enhancements to include sound and music. +

### Sigma Designs SIGMA

Sigma Designs produces and supports its complete line of color, grayscale and monochrome displays and controller boards for IBM compatible and Macintosh computers. These products are supported in the Sigma Designs section of the Desktop Publishing Vendor Forum. +

### Slate Corp. SLATE

Slate Corp. supports its pen-based software applications in the Slate Corp. section of the Pen Technology Forum. Slate's product line includes PenApps, At-Hand, Day-Timer Pen Scheduler, PenBook Reader, PenBook Author, Laplink Pro communications software and SafetyPen utilities. +

### SofNet SOFNET

Access SofNet's section of the PC Vendor G Forum to obtain support for SofNet's FAXWORKS products, including FAXWORKS LAN, Plus and OS/2, which enable documents to be faxed from a PC in a DOS, OS/2 or Windows environment. +

### Soft & GUI SOFTGUI

Soft & GUI supports its development tools, OS/2 Error Manager and Command Line, in its section of the OS/2 Vendor Forum. +

### Softbridge SOFTBRIDGE

Softbridge supports its series of products for its Bridge 2.0 batch-command language including Auto Test Facility, Bridge Batch and Bridge Tool Kit in the Softbridge section of Windows 3rd Party Applications B Forum. +

### SoftCraft WINAPB

SoftCraft produces a series of font applications for the Windows environment including WYSIfonts!, Sponfont, Font Effects and SoftCraft Font Editor, which are supported in the SoftCraft section of the Windows 3rd Party Applications B Forum. +

### Soft-Logik Publishing (Amiga) AMIGAVENDOR

Find support for Soft-Logik's PageStream, a desktop publishing software program for Amiga computers, in the Amiga Vendor Forum. +

### Soft-Logik Publishing (Atari) ATARIVEN

Find product support for Soft-Logik's PageStream desktop publishing program for the Atari in the Soft-Logik section of the Atari Vendors Forum. +

### Softsync, Inc. MACCVEN

Softsync provides support for its Accountant, Inc. integrated accounting packages and Expert Color Paint within its section of the Macintosh C Vendor Forum. +



## Software Development Forum SDFORUM

The *Software Development Magazine* Forum contains source code, programs, and articles mentioned in the magazine along with additional information on computer languages. Languages and topics covered in the forum and libraries include: 'C' language and tools; debugging techniques; Object Oriented Programming; software engineering; shareware/freeware; Modula-2; ADA, the high order language designated by the Department of Defense as the official language for all future embedded computer application programs; Computer Aided Software Engineering including Toolworks, EasyCASE and EasyCASE+; Embedded Systems Programming; and TesSeRact and other TSR applications, which can take advantage of 4-dimensional storage capabilities. +

## Software Forums SOFTWARE

Software Forums provide you with information and support on the most popular software packages on the market. The majority are sponsored by software publishers so you have easy and timely access to their most current technical support information. You can communicate with the software publisher or other users who may have worked through the same problems you are currently experiencing. Libraries contain useful programs that you can download to your computer. Some forums also offer real-time electronic conferences that shed light on current topics. Look for additional related software forums in the Hardware Forums section (GO HARDWARE). By utilizing the software forums, you have support for your computer software 24 hours a day, 365 days a year.

## Software Publishers Association Forum SPAFORUM

The Software Publishers Association (SPA) sponsors this forum to keep SPA members, developers and users of computer software aware of SPA activities and developments. SPA members are available online to answer questions about publishing software such as how to obtain a copyright for a newly developed program and to audit multiple computers for pirated programs. +

## Software Publishing Corporation SPC

Software Publishing Corporation offers technical support through its forum for the full range of SPC software products including Harvard Graphics, Superbase, OfficeWriter, Professional File, Professional Write, Harvard Draw and Harvard GeoGraphics. Support covers international versions of the products. +

## Software Ventures MACBVEN

Access the Software Ventures section of the Mac B Vendor Forum to obtain support for Microphone, Microphone II and Microphone 4.0. +

## Softwood AMIGAVENTOR

Softwood supports its entire Amiga product line in its support section of the Amiga Vendor Forum. Access this section to receive technical support on Pen Pal, Electric TheSaurus, Classic Clip-Art, People Clip-Art, Proper Grammar and Animal Clip-Art. +

## Solana GRAPHBVEN

Solana supports its image viewer, SHOWOFF!, in its section of the Graphics B Vendor Forum. +

## Sound Deals MIDICVEN

Sound Deals supports its music samplers in its section of the MIDI C Vendor Forum. +

## Soundcraft MIDICVEN

Soundcraft provides support for its line of sound mixer products and consoles such as Padless Microphone Technology in its section of the MIDI C Vendor Forum. +

## Sourceline Software OS2AVEN

Obtain support for SourceLink, Sourceline Software's OS/2 32-bit programming development environment, in Sourceline's section of the OS/2 Vendor Forum. +

## Specular International MULTIVEN

Support for Infini-D (V.1.1) can be found in the Specular International section of the Multimedia Vendors Forum. Infini-D offers modeling, rendering and animation in 32-bit color. +

## Spinnaker Forum SPINNAKER

The Spinnaker Forum provides users of Spinnaker products such as Spinnaker PLUS, Word Publisher, PFS:First Choice, PFS:First Publisher, Eight-in-One, Resume Kit, PFS:Write, Address Book Plus, Calendar Creator, Express Publisher, PFS:WindowWorks and the EasyWorking product line with current product information and technical support by product specialists. Each section of the message board contains comments and questions about individual products and has a correlating library section full of text files with more information. Special Spinnaker-sponsored conferences are scheduled when the need arises to thoroughly discuss individual products or issues. +

## Stac Electronics Forum STACKER

STACKER is a data compression utility that works in real-time on DOS, Windows, OS/2 and Macintosh computers. STAC support representatives are available in the Stac Electronics Forum to answer questions about STACKER. +

## STACKS Magazine Forum STACKS

The STACKS Magazine Forum, the electronic edition of STACKS Magazine, provides network VARs and integrators with the information necessary to install, support and maintain a number of networking solutions. +

## Standard Microsystems Forum SMC7

Find information on the latest products and developments from Standard Microsystems Corporation. SMC's products, used with ARCnet, Ethernet, SMC EISA, NetWare and other network drivers, are discussed and supported in this forum. Download programs such as pictorial network maps that can be used to trouble-shoot networking problems and text files that relay important developments and/or technical tips concerning SMC's products. +

## STB Systems STBSYS

STB Systems offers technical support for its PC compatible hardware boards including PowerGraph, PowerView, PowerMeg, 4-on-the-floor, VGA 800/16 and other graphics display boards. STB Systems supports these products in the STB section of the Graphics A Vendor Forum. +

## Steinberg/Jones MIDICVEN

Steinberg/Jones supports Subase and its editor/librarian, Synthworks PROTEUS, in its section of the MIDI C Vendor Forum. +

## StereoGraphics INDEPTH

StereoGraphics, a developer of 3D simulation hardware and software, produces the CrystalEyes system. Obtain help for CrystalEyes, as well as other StereoGraphics products, in its section of the Graphics B Vendor Forum. +

## The Stirling Group STIRLING

The Stirling Group supports the SHIELD series of software development tools for the Windows and OS/2 environments including DbxSHIELD, DemoSHIELD, InstallSHIELD, LogSHIELD, MemSHIELD and TbxSHIELD in the Stirling Group section of the Windows 3rd Party Applications C Forum. +

## Stone Edge Technology APIIVEN

Stone Edge Technology supports DB Master and DB Master Pro in its section of the Apple II Vendor Forum. +

## Storage Dimension PCVENF

Access the Storage Dimensions section of the PC Vendor Forum to obtain technical assistance from its support teams. The Storage Dimensions product line consists of many hard disk, optional and tape products. +

## Strategic Mapping ATLAS

Strategic supports its line of printer drivers in the Strategic Mapping section of the PC Vendor H Forum. +

## Sun Country Software SUNSHOW

Access Sun Country's section in the Graphics B Vendor Forum to obtain support for its line of SUNSCAN, SUNSHOW and SUNSHELL graphics software and professional imaging tools for PCs. +

## Sundial Systems RELISH

Sundial supports Relish, its line of calendaring and time management products, in its section of the OS/2 Vendor Forum. +

## SunDisk SUNDISK

SunDisk Corporation provides support for its mass storage products for portable computing in the SunDisk section of the PC Vendor G Forum. +

## SunSelect & SunSoft Forum SUNSOFT or SUNSELECT

SunSoft and SunSelect, both businesses of Sun Microsystems, Inc. have combined forces to offer the SunSelect & SunSoft Forum. SunSoft, the system software subsidiary of Sun Microsystems, Inc., is a supplier of 32-bit operating system solutions for SPARC and Intel 80386/486-based computers, including Solaris Sparc, Solaris X86 and Interactive UNIX. SunSelect develops and markets PC emulation and connectivity software that integrates with UNIX networks. Forum libraries contain up-grading guidelines, help and utility files, data sheets and answers to installation questions. Company representatives frequent the message sections to offer technical support and product information. +

## SuperMac Technology MACBVEN

SuperMac Technology provides technical support for its line of graphics cards and displays, digital video products, and color printers within its section of the Mac B Vendor Forum. Download the latest versions of SuperMac's drivers and utility programs from its library. +

## Support On Site (SOS) Online ONSITE

Support On Site is a comprehensive database of technical support information on more than two dozen leading PC software applications from companies like Aldus, Borland, Lotus, Microsoft, Quarterdeck, Symantec and WordPerfect. SOS includes tech notes, proprietary information from the vendors' support staffs, newsletters and supplementary software. Part of ZiffNet (GO ZIFFNET). \$

## Supra Corporation SUPRA

Supra Corporation supports the SupraModem 2400 and many other Supra products in its section of the Modem Vendor Forum. +

## Survivor Software MACAVEN

Find product support for MacMoney, InvoicIt and Sticky Notes+ within the Survivor Software technical support section of the Mac A Vendor Forum. +



## Swan Technologies SWAN

Obtain support for Swan Technologies' line of computer hardware products such as the Direct Bus, EISA and V Line in its support section of the PC Vendor G Forum. +

## Sweetwater Sound MIDIBVEN

Sweetwater Sound MIDI/music products are supported in its section of the MIDI B Vendor Forum. Representatives from Sweetwater Sound are online to give you up-to-date technical support and information. +

## SWFTE International SWFTE

SWFTE International produces the Typecase II font management utility and a series of consumer-oriented software products for the Windows environment, including The New York Times Crossword, PixelPuzzle and Bicycle playing-card games. The company provides support for its line of products in the SWFTE section of the Windows 3rd Party Applications D Forum. +

## Sybase OpenLine Forum SYBASE

Through OpenLine, Sybase supports its line of products that operate in an open client/server computing environment. Sybase's products include relational database tools and networking products. +

## Symantec AntiVirus Forum SYMVIRUS

To ward against a virus infecting your system, join the Symantec AntiVirus Forum. Here you can learn about and discuss Symantec and Norton AntiVirus programs. In the libraries you can download upgrades and find out the latest developments in Symantec's NavScan and NOVI programs. For support with other aspects of Symantec's software programs, access the Norton/Symantec Forum (GO SYMANTEC). +

## Symantec Applications Forum SYMAPP

The Symantec Applications Forum is for users of many of Symantec's products including ACT, GrandView, GreatWorks, JustWrite, MORE II, OnTarget, Q & A and TimeLine. Members can talk with other members or have their technical questions answered by Symantec's product support staff. In addition, these forum members love to discuss all types of computers — Macintosh, IBM, portables or networks — and the future of idea processing, desktop presentations, Macintosh development and electronic mail software. There's never a dull moment. +

## Symantec Development Tools Forum SYMDEVTOOL

Access Symantec's Development Tools Forum to find support for all of Symantec's development tools and languages. Supported products include: Multiscope Debuggers, TCL, Think C, Think Pascal and Zortech C++. For support with other aspects of Symantec's software programs, access the Norton/Symantec Forum (GO SYMANTEC). +

## Symantec FGS Forum SYMFGS

Whether you are a new or experienced user of Symantec's Fifth Generation Systems products, you will find technical support in this forum. Learn more about using programs such as Powerstation, Suitcase II, Copy Doubler, Disk Doubler, Pyro! and Disklock from representatives and from experienced users. Find information about a specific program or just chat with other users of Symantec's FGS products. +

## Symantec Norton Utilities Forum SYMUTIL

In the Symantec Norton Utilities Forum, obtain support for Symantec's Backup, Commander and Editor, and Norton Utilities. Pose questions to or discuss issues with



Symantec's technical staff and other users in the message area. Download the latest demo programs for LAN Complete Pak, LAN Host Pak and pcANYWHERE in the libraries. For support with other aspects of Symantec's software programs, access the Norton/Symantec Forum (GO SYMANTEC). +

## Syndesis AMIGAVENTOR

Syndesis produces products that enhance modeling and animation programs. Among those products supported in the Amiga Vendor Forum are InterChange and InterFont. +

## SynOptics Communications, Inc. SYNOPTICS

SynOptics provides support for its intelligent LAN hubs and LAN management software products in its section of the Novell Vendor A Forum. SynOptics' products operate with a wide variety of networking solutions ranging from small workgroups to enterprise-wide networks. +

## Systems Compatibility SCCTECH

Systems Compatibility supports its conversion programs such as Outside In Viewer and Software Bridge in its section of the Windows 3rd Party Applications E Forum. +

## Sytron Corporation PCVENI

Obtain support for Sytron's products for LAN servers in its section of the PC Vendor I Forum. +

## Tactic Software MACBVEN

Tactic Software offers technical support for its entire line of Macintosh products such as ArtClips, ArtFonts, Sound Clips, Icon-It, Magic Typist and MasterFinder in its section of the Mac B Vendor Forum. +

## Tandy Corporation Newsletter TRS

Tandy Newsletter is designed to keep Tandy computer users informed of current activities within the Tandy corporation. You have access to Tandy product and technical information and a monthly newsletter from Tandy. Or send your questions directly to Tandy for their response. +

## Tandy Professional Forum TRS80PRO

The Tandy Professional Forum offers Tandy computer users an avenue for exchanging information with other members regarding the full line of Tandy computers. The libraries are full of software such as applications and utilities. +

## Tandy Users Network TANDYNET

The Tandy Users Network comprises five Tandy product forums: the Color Computer Forum (GO COCO), the LDOS/ TRSDOS6 Forum (GO LDOS), the Model 100/Portables Forum (GO M100SIG), the OS-9 Forum (GO OS9), the Tandy Professional Forum (GO TRS80PRO) and the Tandy Corporation Newsletter (GO TRS). +

## TAPCIS Forum TAPCIS

The TAPCIS Forum discusses the effective use of TAPCIS, the completely automated program for accessing CompuServe forums, forum libraries and CompuServe Mail with IBM compatible PCs. International users and expatriates will want to check out the international section featuring details for using TAPCIS via an international network. Whether you already use TAP, or are just looking for information about it, all are welcome in this forum. +

## Tech III PCVEND

Tech III supports its products in the PC Vendor D Forum. Access this section to obtain support for Wing-It!, Who You Know, Code Rider, Foxy Faxer, Scan-A-Lyzer! and The Compressor. +

## TEGL Systems Corp. TEGL

TEGL provides support for its full line of graphical interface programming toolkits for Turbo Pascal, Quick Pascal and "C" languages in the TEGL section of the Graphics A Vendor Forum. +

## Teknosys, Inc. MACDVEN

Obtain support for Teknosys' products like Help! in its section of the Mac D Vendor Forum. +

## Telebit TELEBIT

Telebit provides support for Personal NetBlazer and WordBlazer in its section of the Modem Vendor Forum. +

## Telecommunication Issues Forum TELECO

Stop by the Telecommunication Issues Forum to learn the latest developments and share your ideas on telecommunication services and products. Members of this forum discuss topics such as long distance services, protecting First Amendment rights for electronic communication and other telecommunication-related issues. +

## Teletypesetting TELETYPE

Access Teletypesetting's section of the DTP Vendor B Forum to obtain support for T-Script, its PostScript interpreter. +

## Temporal Acuity MIDIBVEN

Access Temporal's section in the MIDI B Vendor Forum to obtain support for its line of MIDI/music products such as Music Printer, PianoWorks and Rhythmicity for DOS. +

## Terrapin, Inc. LOGOFORUM

Terrapin, Inc., developers of Logo PLUS and Terrapin Logo, provides support for its products in the Terrapin section of the Logo Forum. +

## Texas Instruments Forum TIFORUM

The Texas Instruments Forum is for anyone interested in any model of Texas Instruments brand computers, especially the TI-99/4A and TI Professional. The TI Forum has an active message base and rapidly expanding data libraries. Weekly conferences are also scheduled. Members and Forum Administrators (SysOps) will be happy to assist new members. The TI Forum is a major source of TI information across the country, supplementing a local users group network and bulletin board systems. +



### **Texas Instruments Newsletter** TINEWS

Texas Instruments Newsletter is a menu-driven text area that is updated constantly to provide the latest news, help and information about the TI Forum and TI world in general. Check the "New in TINEWS" area regularly for information about the latest features. +

### **Thinx Software** THINX

Thinx Software produces and supports Thinx, a visual data management application program, in the Thinx section of the Windows 3rd Party Applications C Forum. +

### **Thomas-Conrad** TCCFORUM

Thomas-Conrad, manufacturer of adapters, hub concentrators and other communications products for ARCnet, Ethernet, Token Ring and TCNS, sponsors this forum to offer technical support for its products. Representatives from Thomas-Conrad, as well as other experienced users, are online to answer your questions. Besides the message section, be sure to check out the libraries for files that may provide additional help and information. A Product Feedback section is available for you to communicate directly with reps from Thomas-Conrad about further developing its products or product line. +

### **Thoughtprocessors** MIDICVEN

Obtain support for Thoughtprocessors' NoteProcessor and Showtune, two MIDI-to-Notation utilities in Thoughtprocessors' section of the MIDI C Vendor Forum. +

### **3Com Corporation** THREECOM

Operated by 3Com's Customer Support organization, the Ask3Com Forum covers a wide variety of global data networking subjects. Join 3Com service engineers and other members in discussions on internetworking hardware, protocols, standards, NetWare compatibility, network management and 3Com adapters. Browse through new articles added monthly to the 1700-article Technical Library by 3Com support engineers sharing solutions for common problems about every 3Com product. +

### **3-D Visions** STANFORD

3-D Visions produces Stanford Graphics, a technical graphics program for the Windows environment. 3-D Visions provides technical support for Stanford Graphics in the 3-D Visions section of the Windows 3rd Party Applications A Forum. +

### **TidBITS Magazine** MACDVEN

*TidBITS Magazine's* section of the Mac D Vendor Forum discusses the articles and issues found in *TidBITS Magazine*. You can also download source code from past issues. +

### **Timeslips Corporation** PCVEND

Timeslips Corporation provides support for its Timeslips III, a time tracking and billing program, within the Timeslips section of the PC Vendor D Forum. +

### **Timeworks** TIMEWORKS

Timeworks provides support for its series of full-featured desktop publishing programs including Publish It! in the Timeworks section of the Desktop Publishing Vendor Forum. +

### **T/Maker Company** MACBVEN

T/Maker supports its products such as ClickArt and WriteNow in its section of the Mac B Vendor Forum. +

### **TMS Peripherals** MACCVEN or APIIVEN

TMS Peripherals provides support for its products including InnerView and TMSFAX in the TMS section of the Mac C Vendor Forum. This also provides support in the Apple II Vendor Forum. +

### **Toshiba Forum** TOSHIBA

If you're interested in portable personal computer laptops and notebooks, you'll enjoy the Toshiba Forum. You can get answers to your questions and accurate product information from other members in the forum and from Toshiba America's Technical Support Group. Access the libraries for downloadable files relating to Toshiba products. +

### **Toshiba GmbH Forum** TOSHGER

The Toshiba GmbH Forum provides technical support for Toshiba's German-speaking customer base. Join the forum to communicate, in German, about Toshiba's products and to ask technical questions of Toshiba's staff at the German headquarters in Neuss. The libraries contain useful files and software products such as drivers, upgrades and utilities. +

### **Traveling Software, Inc.** PALMTOP

Access the Traveling Software section of the Palmtop Forum to find support for software developed by Traveling Software, which connects palmtop and notebook computers to desktop PCs. +

### **Tricord Systems, Inc.** NVENA

Find support for Tricord Systems' super server product line in the Tricord section of the Novell Vendor A Forum. +

### **TRIUS** TRIUS

Find support for TRIUS' As-Easy-As product and other TRIUS products within its section of the PC Vendor F Forum. Representatives are available to answer your questions on DRAFT Choice, ALITE and Odyssey, too. +

### **Truevision** TRUEVISION

Support for TARGA, TrueVista, Horizon and Video VGA add-in videographics boards can be found in the Truevision section of the Multimedia Vendor Forum. +

### **TRUMATCH** TRUMATCH

TRUMATCH supports its four-color selection software in its section of the DTP Vendor B Forum. +

### **Tseng Labs** TSENG

Tseng Labs is a manufacturer and distributor of video and graphics chips and boards. Access the Tseng Labs section of the Graphics B Vendor Forum to obtain technical support for Tseng Lab's line of Turbo drivers. +

### **TurboPower Software** PCVENB or PCVENE

TurboPower Software offers technical support for Turbo Professional, B-Tree Filer, Turbo Analyst, Object Professional, Async Professional and TSRs Made Easy in its section of the PC Vendor B Forum or the PC Vendor E Forum. +

### **Turtle Beach Systems (MIDI)** TBMIDI

Access the Turtle Beach section of the MIDI A Vendor Forum to find support for Turtle Beach Systems' IBM graphic MIDI sample editing and digital music software. Turtle Beach products include SampleVision (graphic sample editor), Oview (synth voice editor), 56K/SoundStage (direct to disk recording/editing systems), Wave (Windows wave file recording/editing system) and MultiSound (high quality MIDI and 16 bit digital recording/playback PC sound card). +

### **Turtle Beach Systems (Multimedia)** MULTIVENDOR

Representatives from Turtle Beach are online in the Multimedia Vendors Forum to provide technical support for its full line of multimedia products. +

### **Twelve Tone Systems** MIDIAVENDOR

Twelve Tone Systems provides support for its popular DOS- and Windows-based MIDI sequencing package, CAKEWALK, in the Twelve Tone section of the MIDI A Vendor Forum. +





## UK Computer Shopper Forum

UKSHOPPER

The *UK Computer Shopper* magazine, separate from the US version, has its own forum online for its readers to discuss the magazine's contents and other UK computer-related issues. Members share opinions about the products and applications covered in the magazine and often debate issues such as Macintosh vs. PC. Magazine staff members are online and actively take part in many of the discussions, which often leads to new articles for the magazine. +

## UK Computing Forum

UKCOMP

The UK Computing Forum offers support for worldwide users of UK hardware and software products. The forum contains several general computing sections managed by leading UK hardware and software vendors such as Western Systems (PC hardware), US Robotics (UK) (modems), Nextbase (Autoroute/Automap software), Datasoft (Datatalk 4 Comms software), Creative Labs (UK), Psion Dacom (modems) and Ashmount Research (Wigwam and Teepee OLR software). +

## UK Shareware Forum

UKSHARE

The UK Shareware Forum is where shareware enthusiasts can exchange information, download upgrades, examine reviews and meet the authors of many of the most popular UK shareware programs for the IBM PC. There are a number of sections within the UK Shareware Forum that are managed by leading UK shareware republishers including Shareware Publishing, Nildram Software and the Thompson Partnership. +

## Ultimedia Tools Series A, B and C Forums

ULTIATTOOLS, ULTIPTOOLS or ULTICTOOLS

The Ultimedia Tools Series brings comprehensive multimedia solutions directly to its customers through these forums. Multimedia application developers can select from over 30 products from IBM and numerous other Independent Software Vendors that use the Ultimedia Tools Series architecture. The Ultimedia Tools Series offers a full range of authoring, content creation, capture and editing facilities for video, audio, animation, graphics, image and music. +

## Ultimedia Tools Series Hardware Forum

ULTIHW

The Ultimedia Tools Series consist of multimedia development tools. Obtain support for the hardware such as MWAVE System, ActionMedia and V-Lan in the Ultimedia Tools Series Hardware Forum. +

## Universal Technical Systems

UTSSUPPORT

Universal Technical Systems markets powerful engineering and scientific problem solving software called TK Solver. Find support for TK Solver and related products in the UTS/TK Solver! section of the CADD/CAM/CAE Vendor Forum. +

## UNIX Forum

UNIXFORUM

UNIX users can discuss UNIX related issues and exchange UNIX related code in the UNIX Forum. Members can discuss the technical merits of the UNIX operating system and how its tools can be used to increase user productivity. +

## UnixWare Forum

UNIXWARE

If you have questions, comments, or tips about UnixWare and other related products, join the UnixWare Forum. In the forum you can discuss topics ranging from X Windows to bug watchers. The libraries contain files about UnixWare development tools, network utilities, applications, device drivers, and updates. +

## US Robotics

USROBOTICS

US Robotics provides support for its products such as BlastFax and Courier in its section of the Modem Vendor Forum. +

## UserLand Software Forum

USERLAND

Macintosh users familiar with or interested in scripting should join this forum sponsored by UserLand Software, the developer and publisher of Frontier scripting system. With Frontier, you can write scripts to automate, customize and simplify your use of the Macintosh. Meet other members experienced in using Frontier who can offer advice and can help you learn to use scripting to your advantage. Software developers will also find this forum helpful in building Macintosh applications that can be scripted by Frontier. +

## VAX Forum

VAXFORUM

The VAX Forum provides support for users of the VAX series of computer systems from Digital Equipment Corp. Sponsored by Cardinal Business Media, Inc., this forum enables its members, through message boards and

library files, to better understand the VAX computer in terms of its usefulness, operating systems and programs. +

## Ventura Forum

VENTURA

Sponsored by Ventura Software Inc., this forum provides a place for users of Ventura software products to communicate and get the most out of their software. Software supported includes Ventura Publisher, FormBase and Ventura Database Publisher. Libraries contain public domain software, documentation, commonly asked questions, their answers and more. In addition to applications of the software, messages cover design tips and tricks, utilities and third party software, printers and other hardware used with the software, the different operating systems and network environments running the software, printer fonts, patches and fixes. You can converse with the publishers of *Ventura Professional!* magazine and find product reviews. +

## Vericomp

PCVENC

Vericomp provides technical support for SoftBytes in its section of the PC Vendor C Forum. +

## Vertisoft

VERTISOFT

Vertisoft supports DoubleDisk and Emulaser in its support section of the PC Vendor G Forum. +

## VideoLogic

VIDEOLOGIC

VideoLogic provides online support through the Multimedia Vendors Forum for its multimedia products such as DVA-4000 full motion video adapters for ISA-bus, MCA-bus and Macintosh NuBus-based computers; MediaStation full motion JPEG compatible video compression/decompression processor for use with ISA-bus PCs; Mediator Intelligent VGA and Macintosh video-to-NTSC/PAL video encoders/processors and M.I.C., system II multimedia interactive control system software. +

## Vines 4.X Patchware Forum

VINES4

The Vines 4.X Patchware Forum contains patches for Banyan's Vines 4.X networking products. For other patches GO VINES5 or BANPATCH. +

## Vines 5.X Patchware Forum

VINES5

The Vines 5.X Patchware Forum contains patches for Banyan's Vines 5.X networking products. For other patches GO VINES4 or BANPATCH. +

## Virtual Reality Laboratories, Inc.

VRLI

VRLI provides support for its "virtual reality" products in the VRLI section of the Graphics A Vendor Forum. +

## Virtus Corporation

MACCVEN

Virtus WalkThrough is the first 3D drawing and spatial design tool which lets you create environments on your Macintosh and then walk through and explore those environments in real time. Access the Virtus Corporation section of the Mac C Vendor Forum to obtain technical support. +

## VNU BPA Forum

VNUBPA

Access the VNU BPA Forum to communicate with the editorial staff and other readers of the Dutch *Personal Computer* magazine, published by VNU Business Publications, Amsterdam. Discuss information published in the magazine and pose your PC-related questions to the magazine's experts. Commonly discussed topics are new uploads, utilities, games, graphics, hints and tips. Download demos of programs covered in the magazine or download *Personal Computer* magazine's shareware tip of the month from the Praktijk library. Visit the shareware library for Dutch or Belgian produced shareware, word processors, DOS utilities, games and graphics. Also visit VNU NL Online (GO VNU) for additional information and discussions. +





## VNU NL Online VNUNL

VNU NL Online is the place for Dutch readers of *Personal Computer* magazine, published by VNU Business Publications, Amsterdam, to communicate directly with its editors. Members can download and upload shareware files and read the latest on computing industry news in Belgium and The Netherlands. For additional information and discussions, access the VNU BPA Forum (GO VNUBPA). +

## Volante GRAPHVEN

Volante supports its line of warp drivers and utilities in its section of the Graphics B Vendor Forum. +

## The Voyager Company VOYAGER

The Voyager Company offers support in the Voyager section of the Multimedia Vendors Forum for its products such as interfaces and drivers for interactive computer control of various videodisc players; VideoStack and CD AudioStack interactive multimedia toolkits for Apple Macintosh; various laserdisc and CD players; CD-Rom's and CD Companion series for Macintosh; Amandastories Hypercard stacks; and the Criterion Collection laserdisc versions of full length motion pictures. +

## Wall Data WALLDATA

Wall Data supports its Rumba. 3270 (PC-to-IBM host) connectivity software for the Windows environment in the Wall Data section of the Windows 3rd Party Applications C Forum. +

## Wang Support Forum WANGFORUM

The Wang Support Forum provides support for users of Wang computer products. The sysops of this forum are employees of Wang Laboratories and have the technical knowledge and resources needed to answer your questions. The message area hosts discussions about various Wang systems and includes a Wang User Groups section that provides a place for members to answer one another's questions and offer problem-solving tips. In the Host Imaging Development section, which is moderated by representatives of HID Research and Development, OPEN/Image product users can communicate directly with its developers. +

## Warner Brothers WARNER

Find out tour information or release dates for your favorite Warner Bros. artist in Warner Bros.'s section of the Music Vendor Forum. +

## WATCOM WATCOM

Access WATCOM's section of the PC Vendor H Forum to obtain support for its line of SQL and Fortran compilers. +

## Westech PCVENJ

Westech Corporation supports its point-of-sale inventory control products in the PC Vendor J Forum. +

## WEXTECH WEXTech

Wextech supports Quicture, Doc-To-Help, and SHED, its patented Hypergraphics Editor, in its section of the Windows 3rd Party Applications D Forum. +

## What's New in the Atari Forums ATA

What's New gives useful information about all Atari forums and a What's New section and conference schedules.

## Willies' Computer Software Co. WILLIES

Willies' Computer Software Co. provides support within the Willies' Computer Software Co. section of the PC Vendor F Forum for any of Willies' software and utility products such as COMM-DRV, COM-LOG and SCRIN-INPUT. +

## Wilson WindowWare WILSON

Wilson WindowWare provides support for Windows applications including Command Post, Win Batch, Win Check and Win Edit. These products are supported in the Wilson WindowWare section of the Windows 3rd Party Applications A Forum. +

## WindowCraft WINAPB

WindowCraft produces Windowcraft, an application development package for the Windows environment. Windowcraft is supported in the Windowcraft section of the Windows 3rd Party Applications B Forum. +

## Windows Sources Forum WINSOURCES

The *Windows Sources* Forum, part of ZiffNet (GO ZIFFNET), gives you an opportunity to interact with the editors, columnists, writers, product reviewers and other readers of the magazine. *Windows Sources* is the place to go for information on Windows products you can buy direct from the manufacturer, plus insight into the issues affecting the Windows industry. +

## Windows 3rd Party Applications A Forum WINAPA

The Windows 3rd Party Applications A Forum provides support for third party applications designed to work with Microsoft Windows. This forum includes the following companies: Access Softek, Arabesque Software, Asymetrix Corporation, Future Soft Engineering, Geographix, hDC Computer Corporation, Jensen-Jones, Lucid Corporation, Micrografix, Playroom Software, Polaris Software, Premia Corporation, 3-D Visions and Wilson WindowWare. See each vendor's individual description within this section for a list of supported products. For additional vendors and support, GO WINAPB, GO WINAPC, GO WINAPD or GO WINAPE. +

## Windows 3rd Party Applications B Forum WINAPB

The Windows 3rd Party Applications B Forum provides support for third party applications designed to work with Microsoft Windows. This forum includes the following companies: Computer Presentations Inc., Connect Software, Frontier Technologies, InfoAccess, KASEWORKS, Kidasa Software, Knowledge Garden, Nu-Mega, Ocean Isle Software, Softbridge, SoftCraft, Window Craft, Wonderware and Zenographics. See each vendor's individual description within this section for a list of supported products. For additional vendors and support, GO WINAPA, GO WINAPC, GO WINAPD or GO WINAPE. +

## Windows 3rd Party Applications C Forum WINAPC

Access this forum for a list of additional vendors to those listed in the other Windows Applications forums. As with the other four vendor forums, you can communicate online with vendors of Windows products. This forum includes the following companies: Abacus Software, Aristosoft, Berkeley Systems, Campbell Services, GFA Software, Gilbert & Associates, Gold Disk, Gold Hill, LABTECH, Metz Software, Protoview, Saros Corporation, The Stirling Group, Thinx and Wall Data. See each vendor's individual description within this section for a list of supported products. For additional vendors and support, GO WINAPA, GO WINAPB, GO WINAPD or GO WINAPE. +

## Windows 3rd Party Applications D Forum WINAPD

Access this forum to talk with additional vendors to those listed in the other Windows Applications forums. As with the other vendor forums, you can communicate online with the vendors of Windows products. This forum includes the following companies: ABC Systems and Development, Automated Design Systems, Baseline Publishing, DeltaPoint, Inmark, Okna Corporation, Peachtree, Q+E Software, ShapeWare, SWFTE International and WexTech. See each vendor's individual description within this section for a list of supported products. For additional vendor support, GO WINAPA, GO WINAPB, GO WINAPC or GO WINAPE. +

## Windows 3rd Party Applications E Forum WINAPE

This forum lets you communicate online with vendors of Windows products. This forum includes the following companies: Andyne Computing, LaserTools, MapLinx, Scitor Corporation and Systems Compatibility. See each vendor's individual description within this section for a list of supported products. For additional vendors and support, GO WINAPA, GO WINAPB, GO WINAPC or GO WINAPD. +

## Windows Vendor Forums WINVEN

Five Windows vendor forums are available where owners of non-Microsoft Windows applications can ask technical questions directly from Windows companies: Windows 3rd Party Applications A through E forums. Each forum represents a different selection of vendors, so be sure to access all five forums for a complete list of vendors participating online. +

## Wolfram Research Forum WOLFRAM

Wolfram Research's Mathematica is a software program that enables your computer to figure simple and complex math computations. By drawing from other members' expertise using Mathematica, learn to enhance your computer's mathematical capabilities such as by programming your plotter to create precise geometric forms. Access the libraries for text files containing additional information. +

## Wonderware WONDER

Obtain support for InTouch, Wonderware's development system, in its section of the Windows 3rd Party Applications B Forum. +

## WordPerfect Users Forum WPUSERS

Writers and editors can share their ideas, questions and solutions in the WordPerfect Users Forum, which provides support for WordPerfect products such as the WordPerfect word processor, DrawPerfect graphics package and DataPerfect database. Whether you are puzzling with file transfers or looking for a good WP reference book, this forum is the place to find help. Other topics of discussion include printers, graphics, desktop publishing, merges, training methods, conversion files, networking, fonts, non-IBM hardware, 3rd party utilities and downloading from a database. It contains various macros and help files which will help you use your software more effectively. This forum is sponsored by Support Group, Inc., a private company independent of WordPerfect Corporation. +

## WordStar Forum WORDSTAR

The WordStar Forum provides users of WordStar and ZSoft products with support from WordStar International Technical Consulting Group. Members can exchange information, ideas and solutions with other WordStar users. Also available are sample programs, usage articles and press releases for WordStar products. Libraries contain printer drivers, templates and utilities. +



**Wordtech Systems** WORDTECH

dBXL, Quicksilver and VP-expert are supported by Wordtech Systems in the PC Vendor C Forum. +

**Working Software** MACBVEN

Quickletter, Findswell, Lookup and Spellswell are supported by Working Software in its section of the Mac B Vendor Forum. +

**The World of Lotus** LOTUS

The World of Lotus contains useful and up-to-the-minute information about Lotus products and services, access to electronic distribution of software and the opportunity to 'talk' with fellow Lotus users. The World of Lotus contains an introduction, a list of recent changes and additions in its data libraries, Lotus company and product news, descriptions of third party products that complement Lotus products, books and periodicals about Lotus products, technical notes, answers to commonly asked questions and lists of supported computers, printers and other hardware. Software developed by Lotus is available along with instructions for downloading it to your computer. +

**World Software** PCVENI

World Software supports its document manager for Windows, WORLDQX, in its section of the PC Vendor I Forum. +

**WPCorp Files Forum** WPFILES

Download printer drivers, graphics drivers and intricate macros for programs such as WordPerfect, Draw, DataPerfect and PlanPerfect from the WPCorp Files Forum. The files in the libraries are fully supported by WPCorp. The message section contains discussions on the programs available through WPCorp. For further discussion on WordPerfect products, access the WordPerfect Users Forum. +

**WRQ/Reflection Forum** WRQFORUM

Walker, Richer and Quinn (WRQ) produce the Reflection series of equipment for DOS, Windows and Mac. In the WRQ/Reflection Forum, discuss WRQ's terminal emulation, networking, office automation and development applications products with other users and its technical staff. +

**WUGNET** WUGNET

WUGNET provides technical information to users and developers of software for Windows. Included as part of the services is a bimonthly *WUGNET Journal*. Find support from WUGNET in the WUGNET Forum. +

**XChange** XCHANGE

XChange offers services and support for developers of XTensions for QuarkXPress and other desktop related publishing products in the XChange section of the Desktop Publishing Vendor Forum. +

**Xircom** XIRCOM

Obtain support for Xircom's line of networking software for token ring and Ethernet systems in its section of the PC Vendor H Forum. +

**Zenith Forum** ZENITHUSER

The Zenith Forum is open to anyone interested in products from Zenith Data Systems and participating independent companies, including Fifth Generation, SoftKlone and Back & Forth. The forum SysOps can answer questions ranging from your Heath kit to the newest Zenith laptop. The libraries contain utilities from Zenith and the latest in shareware applications and games. +

**Zenographics** ZENO

Zenographics provides technical support for its series of printing and image handling applications including Import, Pixie and Super Print in the Zenographics section of the Windows 3rd Party Applications B Forum. +

**Zeos International** ZEOS

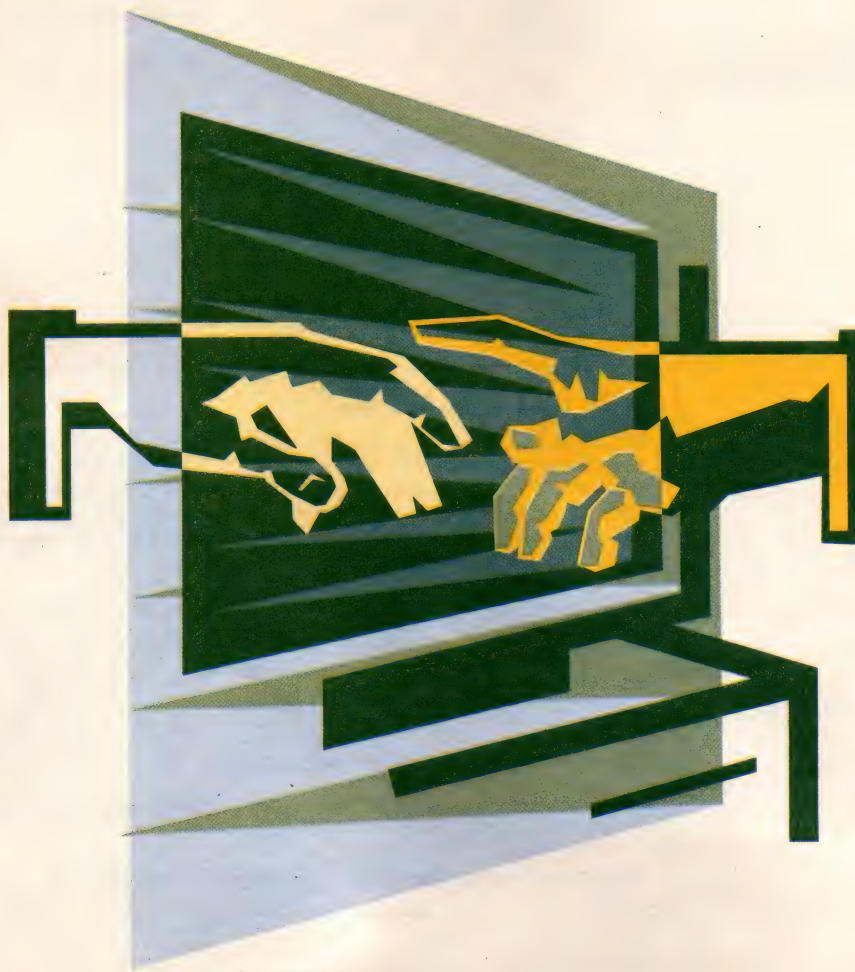
Zeos is now offering informational files and answers to technical and marketing questions through its section in the PC Vendor E Forum. +

**Ziff Buyers' Market** BUYMARKET

Ziff Buyer's Market provides prices, specs and other information on more than 10,000 products you can buy directly from 130 companies. Ziff Buyers' Market provides information in a searchable format, helping members comparison shop by product specifications and price. This Ziff service contains information on computer systems, printers, peripherals, monitors, software and other products that are sold direct.

**Ziff Windows Deutschland Forum** GERWIN

Readers of the German magazine, *Windows* can communicate directly with the magazine's editors and other readers of the magazine. *Windows* provides Windows-related support, solutions, tips and tricks in the German language. The forum's libraries contain downloadable shareware programs and utilities, macros and demos. Part of ZiffNet. +





## ZiffNet ZIFFNET

ZiffNet is the online information service all about computing and the first place to turn for productivity-boosting software and advice to help you get the most from your PC. Log on to ZiffNet and make more informed buying decisions, get instant access to shareware, utilities and technical tips and stay current on the news and events in the computer industry. With ZiffNet you get timely access to expert information and advice from independent sources that include *PC Magazine*, *PC/Computing*, *PC Week*, *Computer Shopper* and *Windows Sources*. +

## ZiffNet European Services ZEUS

The producers of *PC Magazine* and Ziff-Davis UK present ZiffNet European Services (ZEUS), a source of a wide range of services developed for readers of *PC Magazine UK*. In ZEUS, you can directly connect with the editors of the *PC Magazine UK* and other ZEUS users, download utilities and information, keep up-to-date with computer industry news in the UK and access any of four magazine databases — Business, Computer, Health and Magazine. Subscriptions to *PC Magazine UK* are available online. Part of ZiffNet. +

## ZiffNet/Mac ZMAC

ZiffNet/Mac, also known as ZMac, is the information service and software resource dedicated to Macintosh users and their specific needs. With ZMac you get a full range of reference databases, an authoritative buyer's guide, instant access to technical tips and free downloadable utilities, hand-picked and tested in *MacUser* Labs. Plus you have access to the leading industry news and opinions from *MacUser* and *MacWEEK*. +

## Zoom Telephonics ZOOM

Zoom provides support for its line of modems in its section of the Modem Vendor Forum. +

## ZyXEL MODEMVEN

Obtain support for ZyXEL's Ultra High Speed Modems, Zfax Voice and Fax Program in its section of the Modem Vendor Forum. +

## Related Topics

### Membership Support Services

CompuServe Software Information CISSOFT  
Free Practice Forum PRACTICE

### Communications

CompuServe Mail Hub MHS  
Forums (SIGs) FORUMS

### Electronic Mail/Shopping

The Electronic Mail MALL

—See Books/Periodicals

Computer Hardware/Supplies

Computer Software

Hobbies/Toys/Pets

Merchandise/Electronics

Office Supplies/Business Services

SOFTX Software Catalog SOFTX

### Investing and Finance

Error-Free File Transfer FILTRN

Financial Forums FINFORUM

Micro Software Interfaces INTERFACES

### News, Weather, Sports

Apple News Clips APPLENEWS

Florida Today Forum FLATODAY

Weather Maps MAPS

### Personal Interests and Hobbies

HamNet Forum HAMNET

Photography Forum PHOTOFORUM

Sci-Fi/Fantasy Forum SCIFI

### Professional Interests

Computer Consultant's Forum CONSULT

Computer Training Forum DPTRAIN

Entrepreneur's Small Business Forum USEN

Working from Home Forum WORK

### Reference Library

Book Review Digest BOOKREVIEW

Books in Print BOOKS

Business Database Plus BUSDB

Computer Database Plus COMPDB

Computer Directory COMPDIR

Consumer Reports CONSUMER

Health Database Plus HLTDB

Information USA INFOUSA

IQuest IQUEST

Magazine Database Plus MAGDB

Magazines/Electronic Newsstand MAGAZINES

Peterson's College Database PETERSON

Prentice Hall Computer Publishing PHCP

### Special Interest Groups (Forums)

Consumer Electronics CEFORUM

CyberForum CYBERFORUM

The Electronic Frontier Foundation Forum EFFSIG

IBM Special Needs Forum IBMSPECIAL

Issues Forum ISSUES

Space/Astronomy Forums SPACE

### Travel

UKForum UKFORUM

## Codes Used In the Directory

CompuServe basic services\* have no symbol next to them on menus, making them easy to identify. Extended services, which are available at an hourly rate, have a "+" next to them. Premium services, which have an hourly rate and a surcharge, have a "\$" next to them on menus. Executive Option services, which have an hourly rate and sometimes a surcharge and are accessible only through an Executive Option membership, have an "E" or a "\$E" next to them. GO EXECUTIVE to learn more about the Executive Option Service.

Here's a handy chart to help define CompuServe product categories:

Type of Service	Cost	Symbol	Example
Basic*	\$8.95/mo.	none	Academic American Encyclopedia
Extended	hourly	+	IBMNEW +
Premium	hourly/surcharge	\$	Quotes \$
Executive w/surcharge	hourly/surcharge/membership	\$E	Disclosure \$E

Note: When selecting a CompuServe service with the "+" symbol, hourly pricing begins with the next screen.

\*For more information on basic services see the last page of this directory.



## The Electronic Mall MALL

The Electronic Mall enables you to order products from over a hundred national retailers and catalogers without searching for a parking space or waiting in check-out lines. Using your personal computer, you can order products, use your credit card to pay for them and have them shipped to your home or office. The Electronic Mall is open 24 hours a day, seven days a week, and there are no connect-time charges, yearly membership fees or surcharges. The merchants are grouped in mall departments such as Gifts/Flowers, Books/Periodicals and PC Hardware/Software. Merchants bring their best products and services to CompuServe members, often at substantial savings. Many offer free catalogs so that you can also order from the merchant using conventional mail or telephone. This Week's Mall News (GO EMN) announces new merchants and special sales and promotions. You can contact many Mall merchants directly through their online stores or through CompuServe Mail for catalogs or more product information.

Since new merchants frequently appear in The Mall, be sure to check the online directories. GO MALLDIRECT will display the merchant directory alphabetically. GO INX will give you a product index list by category of merchandise found in The Mall. Should you ever have questions or problems with a specific merchant or suggestions on how to improve The Mall, you can leave a message through Electronic Mall Feedback (GO MALLMANAGER). A response will be sent to you via CompuServe Mail. Join the Electronic Mall Elite (GO ELITE), the preferred Mall shoppers club, and receive a connect-time usage credit, discounts from merchants and a monthly newsletter from the Mall Manager featuring Mall special events.

## Directory of Catalogs DTC

All catalogs from Mall merchants are now available in one directory. Search using any of 12 categories to find the catalog you need. Then, by using a quick reference word, you can go directly to the store or place your order now with this convenient list.

# Electronic Mall/Shopping

This section contains the CompuServe products that enable you to shop in the comfort of your own home. Depending on the merchant, you can order from online catalogs or have print catalogs sent to your home and order via electronic order forms, by conventional mail or by telephone.

The Electronic Mall is the fun way to introduce those who may not be familiar with online computing to an exciting new world. The Electronic Mall Reference chart within this section gives a complete directory of mall stores, including payment options and shipping destinations. Visit The Electronic Mall and experience how most shopping will be done in the future!

## SHOPPERS ADVANTAGE Club SAC

Now you can join the thousands of other educated consumers who access America's largest discount electronic shopping service. Shop at home for more than 250,000 name-brand products — with savings of up to 50 percent. Access SHOPPERS ADVANTAGE Club as a CompuServe member and browse through the electronic database for everything from air conditioners to computers to microwaves. SHOPPERS ADVANTAGE Club is your link to major manufacturers, wholesalers and suppliers. As a member you pay a yearly membership fee but much less on merchandise since costly retail price mark-ups, inventories and storefronts are eliminated. When you decide to buy, your low price includes delivery right to your door and a free two-year warranty. There are no hidden costs. Your purchase comes in a factory-sealed carton with all manufacturer's warranties and guarantees in full effect. Non-members too can shop through the club to enjoy 'round the clock' shopping. Visit SHOPPERS ADVANTAGE Club today, and you'll have a world of savings at your fingertips.

## SOFTEX Software Catalog SOFTEX

CompuServe's SOFTEX is an electronic software catalog that enables you to purchase and receive commercial software through your personal computer without the inconvenience of driving to a computer store or waiting for mail delivery. SOFTEX's growing selection includes popular commercially available software as well as hard-to-find software from smaller vendors. Selections include programming utilities, tutorials, spreadsheets, accounting packages and games for most personal computers. Your machine requires terminal software that supports an error-checking file transfer protocol, such as XMODEM or CompuServe's 'B' protocol. Purchases are billed to your CompuServe account.

## Related Topics

### Communications

CompuServe Classifieds CLASSIFIEDS

### Computer and Software Support

Hardware Forums HARDWARE

Software Forums SOFTWARE

Ziff Buyer's Market BUYMARKET

### Membership Support Services

Order from the CompuServe Store ORDER

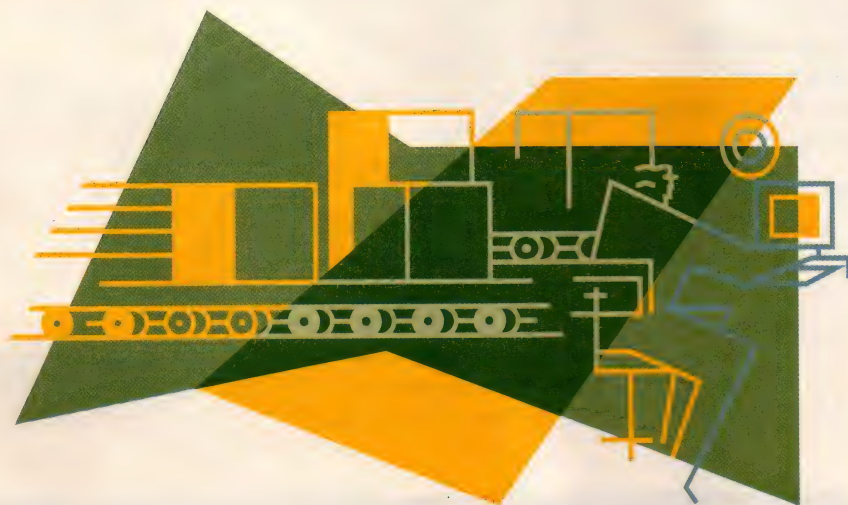
### Reference Library

Consumer Reports CONSUMER

New Car Showroom NEWCAR

### Special Interest Groups (Forums)

Consumer Electronics CEFORUMS





# MALL REFERENCE

A wide world of shopping  
at your fingertips.

Shopping has never been easier.

The Electronic Mall puts over

120 stores at your fingertips.

You can shop free 24 hours a day,

365 days a year, for a wide array

of products, information and

services. Use the handy directory

on these two pages for complete

listing by category of Mall stores

and their GO commands. Then

GO MALL to shop online or to find

worldwide shipping information,

payment options, a detailed product

index, a directory of print catalogs,

and the latest Mall news, events and

contests. GO MALL

No matter which pricing plan you have on CompuServe,  
shopping The Electronic Mall is connect-free, 24 hours  
a day, 365 days a year.

## APPAREL/DEPARTMENT STORES

AC	Americana Clothing
AU	Austad's *
BR	Brooks Brothers
JCP	JCPenney ■
LANDS	Lands' End
▼ LEGGS	L'Eggs Hanes Bali Playtex
PG	Patagonia *
PFS	Paul Fredrick Shirt Company
SAC	Shoppers Advantage Club *

## ARTS/MUSIC/VIDEO

BN	Barnes & Noble
CD	BMG Compact Disc Club *
BOT	Books on Tape *
BEM	Bose Express Music
▼ CVA	Colonel Video & Audio
FREED	Columbia House *
CCV	Critics' Choice Video *
JR	Justice Records
LE	The Laser's Edge
MMA	The Metropolitan Museum of Art
MAO	Music Alley Online
NP	Narada Productions

## AUTO/BOAT/RV

AI	Automobile Information Center
AQ	AutoQuot-R
ATV	AutoVantage Online *
BUICK	Buick Magazine *
FORD	Ford Electronic Showroom ■
FMC	Ford Motor Company ■
LM	Lincoln-Mercury Electronic Showroom ■
▼ PON	Pontiac Showroom *

## BOOKS/PERIODICALS

BOMC	Book-Of-The-Month Clubs *
BOT	Books On Tape *
BH	Breton Harbor Baskets and Gifts
CT	CareerTrack ■
CBK	CompuBooks
ORDER	CompuServe Store ★
DB	Data Based Advisor
ENT	Entrepreneur Group *
HAR	HarperCollins Online *
HCB	History Book-Of-The-Month Club *
JR	Justice Records
LOS	Library of Science Book Club *
MMP	Macmillan Publishing Company •
MC	MacUser
MSP	Microsoft Press ■
MH	McGraw-Hill On-Line Bookstore
NN	NewsNet ■
ND	Nicholas Direct
PCC	PC/Computing
PM	PC Magazine
PCB	PC Publications
PRC	PRC Database Publishing
PPP	Peachpit Press
QPB	Quality Paperback Book Club *
BK	Small Computer Book Club *
▼ USM	U.S. News Magazine
VNR	VNR Bookstore Cafe *
WB	WaldenCOMPUTERBooks
JW	Wiley Pro-Shop *
WS	Windows Sources

## CLUBS/MEMBERSHIPS

ATV	AutoVantage Online *
CD	BMG Compact Disc Club *
BOMC	Book-Of-The-Month Clubs *
BEM	Bose Express Music
CCB	Children's Book-Of-The-Month Club *
FREED	Columbia House *
▼ CARD	CompuServe Visa Store
FFS	Florida Fruit Shippers ★
FCB	Fortune Book-Of-The-Month Club *
LOS	Library of Science Book Club *
QPB	Quality Paperback Book Club *
SAC	Shoppers Advantage Club *
BK	Small Computer Book Club *
SP	Softdisk Publishing
TTC	The Travel Club + TWA Services *

## COMPUTER HARDWARE/ SUPPLIES

DP	AT&T Online Store ■
CTR	CitiTronics Memory *
CBK	CompuBooks
CE	Computer Express
CS	Computer Shopper
CA	Concord Direct
DA	Dalco Computer Electronics
DD	Digital's PC Store *
DM	Direct Micro
HTH	The Heath Company
IL	IBMLink
JDR	JDR Microdevices
MMP	Macmillan Publishing Company *
MC	MacUser
MW	MacWarehouse
MZ	Mac Zone/PC Zone
MH	The McGraw-Hill On-line Bookstore
MCS	Mission Control Software
MCW	MicroWarehouse
OM	Omron *
PA	Parsons Technology
PCA	PC Catalog *
PCC	PC/Computing
PM	PC Magazine
PCB	PC Publications
PRC	PRC Database Publishing
SR	Sears *
BK	Small Computer Book Club *
WS	Windows Sources



## COMPUTER SOFTWARE

BB	Broderbund
BUICK	Buick Magazine *
CF	Checkfree Corporation *
ORDER	CompuServe Store ★
CE	Computer Express
CS	Computer Shopper
DB	Data Based Advisor
DD	Digital's PC Store *
FORD	Ford Electronic Showroom ■
IBMSP	IBM Personal Software Products *
JDR	JDR Microdevices
MW	MacWarehouse
MZ	Mac Zone/PC Zone
MCS	Mission Control Software
MCW	MicroWarehouse
PA	Parsons Technology
PCA	PC Catalog *
SAF	Safeware Computer Insurance
SD	Shareware Depot ■
SI	Sierra Online
SP	Softdisk Publishing

## COSMETICS/JEWELRY

CL	Contact Lens Supply ■
CM	Cosmetics Express ■
FJO	Fine Jewelry Outlet

## GIFTS/FLOWERS/ GOURMET FOODS

FGH	800-Flowers & 800-Gifthouse
AIF	Adventures in Food ★
AK	Alaska Peddler
AE	American Express *
BH	Bretan Harbor Baskets and Gifts
BR	Brooks Brothers
CC	The Chef's Catalog *
COF	Coffee Anyone ???
EX	Executive Stamper ■
▼ FG	Figi's Gifts *
FJO	Fine Jewelry Outlet
FFS	Florida Fruit Shippers ★
FS	Flower Stop *
GW	Garrett Wade Woodworking
GS	The Gift Sender
GIM	Gimmee Jimmy's Cookies
▼ GMR	Green Mountain Coffee Roasters *
HS	Hammacher Schlemmer
HAM	Honey Baked Ham *
LANDS	Lands' End
LE	The Laser's Edge
MMA	The Metropolitan Museum of Art
OS	Omaha Steaks *
PFS	Paul Fredrick Shirt Company
RM	Rent Mother Nature
SN	Sunglasses, Shavers & More
VA	Virginia Diner
WK	Walter Knoll Florist

## HOBBIES/TOYS/PETS

GW	Garrett Wade Woodworking
MAO	Music Alley Online
RM	Rent Mother Nature

## INVESTMENTS/FINANCE/ REAL ESTATE

INC	Business Incorporating Guide
CT	CareerTrack ■
CF	Checkfree Corporation *
CORP	The Company Corporation
▼ CARD	CompuServe Visa Store
CIC	Continental Insurancecenter *
DR	Dreyfus Corp. *
ENT	Entrepreneur Group *
HRB	H&R Block *
HF	HomeFinder by AMS ■
TKR	Max Ule Discount Brokerage ★
MFM	Money's Financial Market *
NN	NewsNet ■
RELO	Relocation Network *
SAF	Safeware Computer Insurance
SD	Shareware Depot ■
CRE	TRW Credentials *
TC	Twentieth Century Mutual Funds
UP	University of Phoenix *
JW	Wiley Pro-Shop *

## MERCHANDISE/ ELECTRONICS

CC	The Chef's Catalog
▼ CVA	Colonel Video & Audio
CA	Concord Direct ★
▼ CFD	Crutchfield Electronics *
▼ BEDS	Dial-A-Mattress
FMC	Ford Motor Company ■
HS	Hammacher Schlemmer
HTH	The Heath Company
JCP	JCPenney ■
PWP	Penny Wise Custom Print Shop *
SR	Sears *
SN	Sunglasses, Shavers and More
ZBEST	Z Best Electronics & Appliance

## OFFICE SUPPLIES/ BUSINESS SERVICES

INC	Business Incorporating Guide
CT	CareerTrack ■
CORP	The Company Corporation
▼ CARD	CompuServe Visa Store
DM	Direct Micro
DR	Dreyfus Corp. *
EX	Executive Stamper ■
HRB	H&R Block *
TTS	H&R Block Tax Training School *
HF	HomeFinder by AMS ■
TKR	Max Ule Discount Brokerage ★
ND	Nicholas Direct
PWP	Penny Wise Custom Print Shop *
PW	Penny Wise Office Products *
RELO	Relocation Network *
SR	Sears *
TC	Twentieth Century Mutual Funds
▼ USM	U.S. News Magazine

## SPORTS/FITNESS/HEALTH

AC	Americana Clothing
AU	Austad's *
CT	CareerTrack ■
CL	Contact Lens Supply ■
RX	Health & Vitamin Express
▼ SDV	SDV Vitamins ★
▼ OLY	The Synergy Group

## TRAVEL/VACATIONS

AF	Air France ■
AK	Alaska Peddler
AE	AmericApparel/Department Stores
▼ CRUISE	Compu-Cruise by Rosenbluth *
▼ OLY	The Synergy Group
TTC	The Travel Club + TWA Services *

### HOW TO SHOP:

When you see a product you would like to purchase, if prompted, type "O" to order. Otherwise, simply select the item from the menu. Continue shopping, or complete the order by typing "CHECKOUT." An electronic order form will appear and you will be prompted for all pertinent information such as size, color, delivery method and credit card billing. To cancel your order at any time, type "EXIT." Before your order is sent to the Mall merchant, you will have the opportunity to verify that your order is correct and to make any necessary changes. Once your order is complete, a CompuServe order number will be given.

### SHIPPING:

Shopping in most stores in The Electronic Mall is available to CompuServe members around the world. Certain postal, national and trade laws prevent certain Electronic Mall merchants from being able to ship their goods to all areas. The following guide will help you with your store selection:

- U.S. Only
- U.S. and Canada

- ★ Please go online for details
- All other merchants ship worldwide.

▼ The Electronic Mall is pleased to welcome our newest merchants!



# Games

This section contains many different types of games. Some games are for one player against the computer. For others, like the Entertainment Center, you interact with other players, either as allies or opponents. Because of this ability to interact and communicate with other players while you are playing the games, we think that you will find our new-technology games exciting and challenging as well as a lot of fun. Most games do not require special equipment. However, some are enhanced if you have CompuServe Information Manager or a recognized terminal emulator which supports cursor control.

## Air Traffic Controller ATCONTROL

If you have nerves of steel and like the challenge of thinking at several levels at once, Air Traffic Controller could be your game. As an ATC, you're responsible for all planes within your sector of airspace. The object is to keep them from running out of fuel or crashing. You must clear planes for arrival and landing while keeping track of those arriving from other sectors. Neighboring sectors may be controlled by other ATC players, challenging your communication skills as well as your nerves. Once you've built up your confidence, you can start again at an increased level of difficulty. In color. +

## Astrology Charting ASTROLOGY

Astrology Charting, developed for the practitioner and expert star-gazer, will reveal a collection of astrological facts for any event in time. Simply enter the date, place, time and time zone in effect for the event. You will receive comprehensive astrological output containing many features from house cusps to planetary angles. +

## Biorhythm Charting BIORHYTHM

Biorhythm Charting helps you figure out what your emotional, mental and physical state is and will be. It plots personalized charts for any month or series of months within a given year, and it provides a written analysis of each month. Biorhythms features automatic GIF graphics generation for CIM users and other graphic protocol support.

## BlackDragon BLACKDRAGON

Enter a magical, multilevel Labyrinth filled with treasure, but beware of the deadly creatures, traps and pits which infest it. This fantasy adventure game lets you accumulate treasures which, when converted to "experience points," add to the strength you'll need to make it through the maze alive and to conquer the evil Arch Demon. If you can make it through all levels of the maze, you are admitted to the Explorer's Hall of Fame for all to admire.

## British Legends LEGENDS

As an adventurer in the multi-player game British Legends, you will explore a land filled with mystery ... dense forests, an island, a cottage and much more ... in addition to the computer-generated and human characters you will encounter. Like all the multi-player games, your play is influenced and enhanced by the presence of other players, but unlike other multi-player games, well, take heed of these words of wisdom: "Life is never quite what it seems in 'British Legends'." The goal of the game is to collect treasures, score points, and reach the enviable, honorable status of "Wizard." Once you reach this level of expertise, you are endowed with wondrous magical powers: the ability to become invisible, commit mischievous acts and more. In other words, British Legends is not an ordinary adventure game. It embodies a vast, fantastic world of its own. +

## CastleQuest CQUEST

Picture yourself on a long-awaited vacation to Romania's legendary Carpathian Mountains. During your trip your car breaks down, and you can't find help. You walk a long time and make it to a castle perched on the summit of a rocky rise above the road. You pound on the thick wooden door. Nobody answers, but the door slowly swings open. As you enter the castle, you realize that you are very sleepy. You stumble up the stairs and collapse on a bed. When you awaken, your adventure begins. The goal of this game is to thoroughly explore the castle, kill the master, loot the castle of its treasures and accumulate points as the game progresses. To win, you must survive the many dangers you will encounter and reach the castle storeroom to store your treasures. Reaching the storeroom is not an easy task. In fact, it can be deadly. Good Luck!

## Chess Forum CHESSFORUM

Make your move and join the Chess Forum where members play against each other in games of electronic postal chess. Earn your own CompuServe rating and/or a rating from the United States Chess Federation. Learn more about "the game of kings" and stay abreast of news about chess tournaments around the world. +

## Classic Adventure CLADVENT

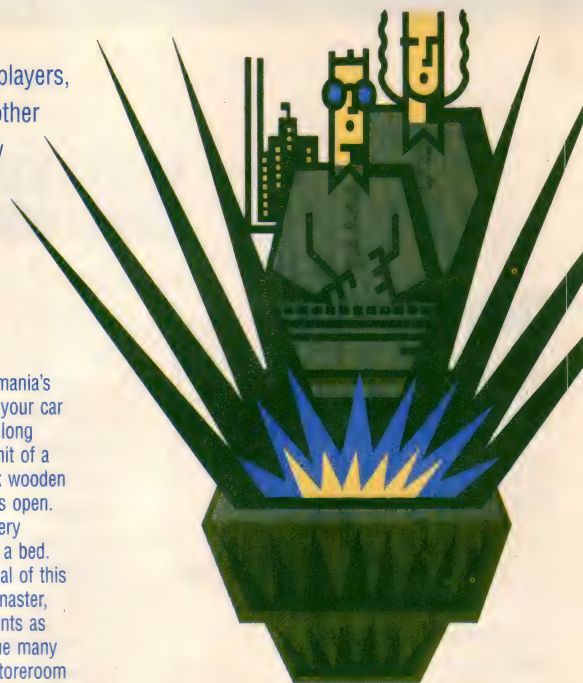
This adventure game sparked all other versions, both micro and mainframe. The scene is a forest in which lies Colossal Cave. Most of your adventuring takes place within the cave. You begin your adventure, however, outside a small well house. This is the center of your activities, and it is where you will store your treasures. The entrance to the cave is south of the building, but you will want to investigate the interior of the house before you leave for the cave. The object of the game is to overcome the cave's deadly challenges as you explore it, collect its numerous treasures and deposit them in the well house. In Classic Adventure a perfect score is 350 points, if you can survive.

## The ELECTRONIC GAMER ARCHIVES™ TEG

The ELECTRONIC GAMER ARCHIVES is an online source of reviews and step-by-step "walk-throughs" for some of the popular computer games. While new game articles are continually added to Section 15 of the Gamers' Forum, TEG is still the place to start when looking for help with the classics. +

## Enhanced Adventure ENADVENT

The Enhanced Adventure is much like Classic Adventure. The setting is the same, but there are more treasures to be found in Enhanced Adventure — more treasure inside and outside of the cave. A perfect ending garners you 751 points.



## The Entertainment Center ECENTER

Meet fellow game-players from around the world and engage in multi-player games with color graphics. The Entertainment Center offers a variety of games ranging from combat in outer space as in StarSprint to familiar board games such as backgammon, chess and checkers. Download games in a few minutes and discover that no two games you play in the Entertainment Center are ever the same. (ECENTER games require EGA or better graphics and an IBM-compatible PC.) +

## Epic MegaGames Forum EPICFORUM

Epic MegaGames, an international publisher of shareware computer games, provides support for its products in the Epic MegaGames Forum. From the libraries, download action-packed shareware games featuring vivid graphics and sound or select from a number of utilities and files to enhance these already challenging shareware games. In the message area, exchange tips, hints and strategies with other shareware game players from around the world. +

## Flight Simulation Forum FSFORUM

The sky is the limit when you join the Flight Simulation Forum. Members who indulge their flights of fancy through the computer share experiences, playing tips and software critiques in the forum. Also popular are the forum's "fly-ins" — coordinated get-togethers where members, using custom flight scenery, fly their aircraft simulators to a designated airfield. You're cleared to land and join the forum in their discussions about civilian, space, combat and air traffic control simulations. +

## Game Publishers A Forum GAMAPUB

In Game Publishers A Forum, participating publishers support a variety of games and game-related products for all types of computers. Selected publishers each have their own message section for direct correspondence with customers; a library containing product demonstrations, news releases, program updates and announcements; and a conference room for formal or informal interactive, real time discussions with members. Publishers include Accolade, Bethesda Softworks, Cyberdreams, Electronic Arts, Lucasarts, Merit Software, Origin, Sierra OnLine, SSI, SubLOGIC and Three-Sixty Pacific. For other publishers, GO GAMBPUB or GAMCPUB. +



## Game Publishers B Forum GAMBUP

Need help with a game? In the Game Publishers B Forum, participating publishers support a variety of games and game-related products for all types of computers. Selected publishers each have their own message section for direct correspondence with customers; a library containing product demonstrations, news releases, program updates and announcements; and a conference room for formal or informal interactive, real-time discussions with members. Publishers include Access, Activision, Disney/Buena Vista Software, GameTek, Impressions, Infocom, Interplay, Konami, MacPlay, Maxis, MicroProse, Sir-Tech Software, Spectrum Holobyte and Westwood Studios. For other publishers, GO GAMAPUB or GAMCPUB. +

## Game Publishers C Forum GAMCPUB

The Game Publishers C Forum supports a variety of games and game-related products for all types of computers. Like the other Game Publishers Forums, selected publishers each have their own message section, library and conference room. Publishers in this forum include Avalon Hill, Cactus Development, Changeling Software, Diamond Dreams, Dynamix, Humongous Entertainment, Inline Software, Intergalactic Development, Legend Entertainment, Masque Publishing, Mindcraft, Omnitrend, Papyrus, QQP and Tsunami Media. For other publishers, see the Game Publishers A or B Forum. +

## The Gamers' Forum GAMERS

It's a computer-game-player's dream: an electronic forum dedicated to the communications, support and entertainment needs of the general computer game-playing community. Here you'll find tips, hints, reviews and instructions for the latest computer games on the market. You can also keep up on what is happening with multimedia and cartridge games, as well. You can ask questions or discuss games and game hints with other game players via this forum. +

## Hangman HANGMAN

The computerized version of the famous game which both children and adults enjoy. You play against the computer which selects the word, and you make the guesses until the poor man is hung or until you guess the correct word. Playing this game helps you find out the size of your vocabulary. It might also teach you a new word or two. If you are very good, you may reach the Hall of Fame.

## Island of Kesmai ISLAND

Many years ago, a group of magicians wanted to escape persecution. They settled on the Island of Kesmai where they experimented in the black arts. They created many strange creatures through their sorcery, which took place in catacombs deep underground. As their anger and their pride grew over the years, they determined to have revenge on their persecutors by calling up an ancient Dragon of Droon. They produced the dragon, but they were not able to control it. The dragon destroyed the laboratories and killed most of the magicians. It found its way to the temple located in the lowest levels of the catacombs, and it remains there to this day. Many of the creatures created in the laboratories escaped and have been living and multiplying ever since. You'll travel over many "acres" of land and encounter many computer-run characters during your adventure. The game consists of two segments: the Basic Game, which includes the regions of Kesmai, Leng, Oakvaal and Axe Glacier; and the Advanced Game, which includes the regions of Torii, Annwn, Rift Glacier and Shukumei. The game is constantly evolving, and more mysterious lands are made available regularly. +

## MegaWars I: The Galactic Conflict MEGA1

Imagine yourself at the helm of a starship, trying to capture planets and build an empire before the enemy destroys you and your effort. At your command are weapons such as phasers and photon torpedoes and a bank of equipment on board to help you use them. The ship's radio lets you communicate with other members of your team or taunt the enemy into making a fatal mistake. In addition, as your skill increases, you will rise in rank from cadet to admiral and gain the use of specialized ships. +

## MegaWars III: The New Empire MEGA3

Imagine yourself in a galaxy filled with strife and destruction. You find that you must have wealth and power in order to survive. But you may not be able to get it by yourself. You may want to join a team of people whose interests are similar to yours, people who want to expand their wealth and protect and manage what they have. So your team forms, but you are cautious because your team members may turn on you. MegaWars III is a multi-player game which consists of two separate phases. The interactive phase is where you fly your ship about the Galaxy exploring for new planets to colonize and fighting with enemies. The second phase is an economic model, where you manipulate the economies and populations of the bases you own. The game's starting point is its main menu. Here you may choose to build, repair or fly your ship, manage your planets or obtain game-related information. Throughout the game you may converse with other players who are playing at the same time. Although many players form teams when they play the game, players can play it alone. With these things in mind, you are ready to enter MegaWars III — The New Empire. +

## The Modem Games Forum MODEMGAMES

Owners of modem-capable computer games meet in the Modem Games Forum. Members play in head-to-head tournaments organized by forum staffers and run in the Modem-To-Modem Gaming Lobby™. The forum also contains dozens of game programs that offer members a variety of games that can be played one-on-one via modem. +

## The Modem-To-Modem Challenge Board MTMCHALLENGE

Owners of selected modem-capable games can locate worldwide opponents to play through the use of the MTM Challenge Board. Search the Challenge Board to find and challenge players to popular modem games such as Armor Alley, Battle Chess, ChessNet, Command HQ, Faces, Falcon 3.0, Flight Simulator, Knights Of The Sky, Lexicross, Medieval Warrior, Operation Combat, The Perfect General, Stunt Driver, Super Tetris, 3-D Helicopter, and 'Vette'. +





## The Modem-To-Modem Gaming Lobby MTMLOBBY

The MTM Gaming Lobby lets you play PC computer games in head-to-head competition with players from around the world. Check into Lobby to meet and play against your chosen opponent or visit the Lobby for a quick, pick-up match. The MTM Gaming Lobby staff can assist you in finding modem games and challenging opponents. +

## The Multi-Players Games Forum MPGAMES

This specialized games forum supports the entertainment needs of members who play any of the unique and challenging, multiple-player games via the CompuServe online environment. Get hints, plan strategies, and socialize with fellow multi-player gamers and the forum's staff. +

## The Multiple Choice TMC

The Multiple Choice offers a whole host of online games and tests to challenge, amuse and even train you. Trivia games are available in versions for kids, teens and all ages. Relaxing and amusing games include jumbled word games, games where you fill in the missing part of a classic quote or an ad slogan, and games where you enter random verbs, nouns and adjectives to generate silly letters. There are two achievement challenges. One tests high school competency similarly to the New York State Board of Regents Tests for grades 9 - 12. The other is a simulation of the "Miller Analogies Test" used as an entrance test to many graduate schools. Use either to test your mettle or practice up for the real thing. Use personality profile tests to see how well you know yourself or how well you know others. Also take IQ tests, intelligence tests or the Super Brain Teaser. +

## Play-By-Mail Games Forum PBMGAMES

Join the Play-By-Mail Games Forum to talk about all types of commercial Play-By-Mail Games, including Beyond the Stellar Empire, Heroic Age, Out Time Days, SuperNova, Realms of Altair, Starweb, It's A Crime, Illuminati, Continental Rails and many others. Some companies even sponsor CompuServe-only versions of their games. Not only can you discuss games online, but you can play them by Electronic Mail or via the Message Board, as well. If you enjoy PBM Games — SciFi, Power, Fantasy, War, Crime, Sports — this is your forum! +

## Role-Playing Games Forum RPGAMES

The Role-Playing Games Forum invites you to discuss and play all types of board/paper/text role-playing games including AD&D, Rune Quest, Gamma World, Traveller, Champions and Justice, Inc. Role-playing games are conducted in the conference area every evening. For additional game support, access the Gamers' Forum (GO GAMERS). +

## Science Trivia Quiz SCITRIVIA

Is there a budding Einstein in the audience? Even if you missed the Nobel Prize this year, you can challenge the top scorers in the Science Trivia Hall of Fame. Test your knowledge of biology, chemistry and physics through the Science Trivia Quiz. Questions and comments can be discussed in the Science/Math Education Forum (GO SCIENCE).

## SHOWBIZQUIZ SBQ

SHOWBIZQUIZ is a trivia game that tests your knowledge of the entertainment world in a variety of categories such as Frank Sinatra, the Twilight Zone or the Rolling Stones.

## SNIPER! SNIPER

Set in 1943 on the battlegrounds of World War II, SNIPER! is the multi-player war game that pits your squad of soldiers against others in a realistic simulation of wartime conditions. Using the color graphics front-end program called "Scope," geography, architecture and military units spring to life. Your success in working your way up through the ranks to General depends not only on your skill and daring, but also on the strengths and weaknesses of your individual soldiers and the squad as a group, the uncertainty of intelligence about enemy forces and the effects of chance. +

## Sports Simulations Forum SPRTSIMS

Sports enthusiasts from around the world can team up and engage in head-to-head competition! In the Sports Simulations Forum you can play sports such as football, basketball, baseball, golf or hockey. You can join a league, tour or circuit, take part in the season's draft or enter a "big-money" tournament. All sports are played using popular sports simulation software programs and games available at your local software dealer. +

## Stage II — Two Stage Trivia STAGEII

Stage II is a trivia game whereby you answer three trivia questions and then look for a common theme in the answers. It can be played individually or as a group. +

## The Whiz Quiz WHIZ

Do you think you are a knowledgeable person? The Whiz Quiz, sponsored by Grolier's Academic American Encyclopedia, will test your knowledge in a variety of categories including geography, current events, movies, sports, music, science, literature, history and myths and legends. Up to four people can play. The top ten scores for a session will enter the Wizard Hall of Fame.

## You Guessed It! YGI

You Guessed It! is a real-time, multi-player game show simulation in which players form teams, answer general information and trivia questions and vie for bonus points. There's interaction between players, as well as a cast of "online personalities." There is a lobby for meeting other players and a BIO feature, which lets you learn more about those playing. Will you meet new friends, have fun and discover the True Meaning of Life? You Guessed It! +

## Related Topics

### Computer and Software Support

All-Music Guide Forum AMGPOP  
Graphics Forums GRAPHICS  
Hardware Forums HARDWARE  
Music Vendor Forum MUSICVEN  
Sight and Sound Forum SSFORUM  
Software Forums SOFTWARE

### Electronic Mail/Shopping

The Electronic Mail MALL  
— See Computing Hardware/Supplies  
Computer Software  
Hobbies/Toys/Pets

### Investing and Finance

E\*Trade Stock Market Game ETGAME

### Membership Support Services

Order From the CompuServe Store ORDER

### News, Weather, Sports

Hollywood Hotline HOLLYWOOD  
Roger Ebert's Reviews & Features EBERT

### Personal Interest and Hobbies

Comics/Animation Forum COMICS  
Military and Veterans Forum MILITARY  
Music and Performing Arts Forum  
MUSICARTS

Rocknet ROCK  
Rocknet (Rock Music) Forum ROCKNET  
Sci-Fi Fantasy Forum SCIFI

### Professional Interests

Aviation Forum AVSIS

### Reference Library

Magazine Database Plus MAGDB  
Magill's Survey of Cinema MAGILL

### Special Interest Groups (Forums)

Aviation AVIATION  
Consumer Electronics Forum CEFORUM  
Science/Math Education Forum SCIENCE  
Showbiz Forum SHOWBIZ  
Soap Opera Summaries SOAPS

## Codes Used In the Directory

CompuServe basic services\* have no symbol next to them on menus, making them easy to identify. Extended services, which are available at an hourly rate, have a "+" next to them. Premium services, which have an hourly rate and a surcharge, have a "\$" next to them on menus. Executive Option services, which have an hourly rate and sometimes a surcharge and are accessible only through an Executive Option membership, have an "E" or a "\$E" next to them. GO EXECUTIVE to learn more about the Executive Option Service.

Here's a handy chart to help define CompuServe product categories:

Type of Service	Cost	Symbol	Example
Basic*	\$8.95/mo.	none	Academic American Encyclopedia
Extended	hourly	+	IBMNEW +
Premium	hourly/surcharge	\$	Quotes \$
Executive w/surcharge	hourly/surcharge/membership	\$E	Disclosure \$E

Note: When selecting a CompuServe service with the "+" symbol, hourly pricing begins with the next screen.

\*For more information on basic services see the last page of this directory.



## Australian/New Zealand Company Library ANZCOLIB

The Australian/New Zealand Company Library contains selected directory and news information on more than 95,000 businesses, both public and private, in Australia and New Zealand. Information is available from leading business directories and databases such as D&B-Australian Dun's Market Identifiers, D&B-New Zealand Dun's Market Identifiers, Asia-Pacific and Reuter Textline. Directory information can be retrieved by entering company names, industry codes, city name, number of employees or sales figures. Database information can be searched by company name, key words, country, region or publication date. \$

## Basic Quotes BASICQUOTES

Members of CompuServe's Basic Services can retrieve delayed quotes for items such as stocks, options, indexes, exchange rates and mutual funds. Each stock quote provides the volume, high, low and most-recent trade, as well as an indication of any current news stories on a particular issue. Up to 20 quotes can be retrieved in a single session.

## Brokerage Services BROKERAGE

This menu enables you to choose among the various brokerage services on CompuServe.

## Business Dateline BUSDATE

Business Dateline is a searchable database containing the full text of articles from more than 115 regional business publications in the U.S. and Canada. The articles provide a regional outlook with information on local economic conditions, retailing, real estate, people and management, financial institutions, transportation and electronics from 1985 to the present. \$

## Calculating Personal Finances FINTOL

This section offers products that enable you to calculate your net worth and generate a loan amortization schedule. +

## Citibank's Global Report GLOREP

Citibank's Global Report, the primary information resource for many large corporations worldwide, integrates and organizes news and financial data from well-respected sources. You will find real-time foreign exchange rates, spot commodity prices and market and industry news, including up to six months of historical news on many publicly held companies. Global Report is updated around the clock from sources around the world. \$

## Commodity Markets COMMODITIES

CompuServe offers access to historical information on futures contracts and cash prices along with exclusive newsletters offering news, features and analysis. CompuServe's commodities database contains open, high, low, settling and cash prices along with volume and open interest for every trading day over the past 12 years. Futures prices are generally available by 7:00 P.M. Eastern time (U.S.) (midnight GMT) with the cash price, volume and open interest available 24 hours later. The data are provided by MJK Associates which uses multiple sources to ensure accuracy and guarantee timeliness. Data are available for all commodities on the U.S., Canadian and select global exchanges with significant trading volume. Data include financial and currency futures as well as metal, petroleum and agricultural commodity contracts. Composite prices from the Commodity Research Bureau are also available. +

# Investing and Finance

This section provides you with an overview of the services which can assist you with investments. Though tailored for the individual investor, CompuServe's financial services are also utilized by many Wall Street firms. You can get quotes on stock prices, find out information about companies and buy and sell securities. CompuServe invites you to use the H&R Block ticker symbol to practice and see the type of information each product provides. Type HRB at most company or issue prompts and get updated information without a surcharge.

## Commodity Pricing CPRICE

Pricing History — One Contract presents historical performance by day, week or month for the requested commodity contract (or optionally the contract nearest delivery). The program displays open, high, low and settling prices, along with volume and open interest. Also available are aggregated volume and open interest for all contracts for the requested commodity along with the cash market price for the commodity. \$

## Commodity Symbol Lookup CSYMBOL

Commodity Group Listing displays available commodity groups including foods, grains, metals, financial, petroleum, fibers, currencies and indexes. Access symbols, active contracts, exchange where traded and commodity description are shown for each commodity. +

## Company Analyzer ANALYZER

Company Analyzer provides "one-stop shopping" for financial information. Simply enter a company name, ticker symbol or CUSIP number, and the ANALYZER will search the various financial services to determine which ones contain data for the company you have entered. The service then builds a customized menu of the services offering information, which can include income statement, balance sheet and ownership information from Disclosure, Standard & Poor's and estimates of future earnings from the Institutional Brokers Estimate System. Also available from the menu are price and volume graphs, pricing statistics, a detailed issue examination and current news when available. \$E

## Company Information COMPANY

This menu provides access to the various sources of information on specific companies.

## Company Screening COSCREEN

The Company Screening service allows you to quickly and easily search through the Disclosure database of nearly 11,000 publicly-traded U.S. companies based on selected criteria. Enter any combination of the available selection criteria to view a report displaying all the companies that have the requested characteristics.

With Company Screening, investors can easily identify investment candidates enabling them more time to perform in-depth analysis and less time searching for potential candidates. Business professionals interested in targeted selling or in marketing research can use Company Screening to find companies based on certain demographic information. \$E

## Corporate Affiliations AFFILIATIONS

Corporate Affiliations offers profiles and reference information on most of the large U.S. public companies and their affiliates. This database includes organizations traded on the New York and American Stock Exchanges, their affiliates, and any company traded over-the-counter having affiliates. Information on a business can include its name, address, phone number, business description, the names of its executives, and the business's place in its corporate family hierarchy. \$

## Current Market SNAPSHOT SNAPSHOT

Current Market SNAPSHOT provides a picture of the current stock market by depicting key indicators in a concise one-page report of statistics. SNAPSHOT highlights current trading trends by presenting the highest, lowest and latest values for the Dow Jones 30, Standard and Poor's 500 and NASDAQ Composite. The strength of this trend is defined by summarizing New York Stock Exchange activity, including percent change and number of shares traded in the current session. The trend's breadth is described by reporting advancing and declining issues and separating up from down volume. SNAPSHOT also presents the value of the U.S. dollar in gold, yen, deutsche marks and pounds. \$E

## Current Quotes QQUOTE

Quick Quote, CompuServe's current quotations service, allows you to retrieve the current market value of stocks, options and market indexes. Quotes are delayed over 15 minutes, which is as soon as the exchanges will allow you to receive them without the payment of a monthly fee. The information includes volume, high/ask, low/bid, last, change and time of last trade or quote. Major foreign currency exchange rates are updated twice each day, and current values for mutual funds and money market funds are available by 7 P.M. ET (midnight GMT). You can retrieve the quotes by specifying a ticker symbol, the company name or a previously stored file of ticker symbols. Optionally, retrieved data may be directed to an output file in formats readable by microcomputer spreadsheet packages.

QQUOTE will place an asterisk at the end of a quote line for any issue which has a current news story available. To read this late-breaking news, simply enter /CONWS at the Issue: prompt. Updated continually. \$





## D&B Dun's Electronic Business Directory DUNSEBD

Dun and Bradstreet's Electronic Business Directory is a directory of information on more than 8.5 million professionals and businesses in the U.S., both public and private and of all sizes and types. In addition to names, addresses and telephone numbers, the directory lists the type of business, its SIC code, number of employees, the industry to which each entry belongs, the population of each entry's city and information about parent companies. \$

## D&B Dun's Market Identifiers DUNS

Dun and Bradstreet brings three searchable directories of business information online with its Market Identifiers databases. You can search:

- ▶ D&B-Dun's Market Identifiers, a directory with information on over 6.7 million U.S. public and private establishments having more than 5 employees or with more than 1 million in sales
- ▶ D&B-Canadian Dun's Market Identifiers, a directory with information on over 350,000 Canadian companies
- ▶ D&B-International Dun's Market Identifiers, a 90-country international directory with information on over 2.1 million public, private, and government controlled companies located in Asia, Africa, Europe, the Middle East, South America, the Pacific Rim and Australia.

Information on a company can include its name, address, telephone number, and company characteristics such as sales figures, number of employees, corporate family relationships and names of the executives. \$

## Detailed Issue Examination EXAMINE

Detailed Issue Examination gives a detailed description of a single issue including trading status, recent price, dividends, risk measures and capitalization. For stocks, it shows the shares outstanding, twelve-month earnings-per-share, beta factor, indicated annual dividend and the dividend yield. For bonds, the program includes the maturity date, bond rate, yield to maturity, interest payment history and amount outstanding. Options information includes shares per contract, open interest, expiration date and exercise price. The 52-week high and low price are included for all securities. Updated overnight. \$

## DISCLOSURE II DISCLOSURE

The DISCLOSURE II database is compiled from the 10K's and other reports that all publicly-owned companies file with the Securities and Exchange Commission. This information includes the 10K management discussions, detailed financial statements, business segment data, 5-year financial summaries, company name and address, President's letter, a list of SEC filings, a business description, officers and directors, footnotes to financial statements, a list of subsidiaries and lists of insider owners, institutional owners and owners of 5% or more of the company's stock. Updated every Sunday with market prices updated every night. Ownership information is updated quarterly. \$E

## Dividends, Splits, Bond Interest DIVIDENDS

Dividends, Splits, Bond Interest gives dividend, split and bond interest information for an issue over a given period. Hard-to-obtain mutual fund distributions are also available. You may specify either the number of dividends you wish to view or a specific date range. The report includes the ex-date, record date, payment date, distribution type and the rate or amount of each distribution. Updated overnight. \$

## Earnings/Economic Projections EARNINGS

This menu choice enables you to access information about different companies' earnings, projected earnings and growth, and economic projections.

## Error-Free File Transfer FILTRN

FILTRN, CompuServe's file transfer program, facilitates accurate transfer of data files from your microcomputer to CompuServe, and from CompuServe to your microcomputer. B protocol, which is supported by CompuServe's software, and XMODEM protocol are available to ensure accurate transfer. Other popular transfer protocols can also be selected. +

## E\*TRADE, America's Electronic Brokerage ETRADE

E\*TRADE is a brokerage service which allows you to take complete control of your investments. Provided by Trade\*Plus and available at base-connect rates, E\*TRADE offers its customers:

- ▶ Commissions of 1½ cents per share, \$35 minimum
- ▶ Black-Scholes option analysis using current prices
- ▶ Around-the-clock availability
- ▶ Free checking account tied to your money market fund
- ▶ Investment management — quotes, news alerts, portfolio reports, limit orders.

E\*TRADE will handle all types of accounts including individual, joint, investment club, margin, IRA, KEOGH and 401K. It also has a stock market game that uses actual stock market data and prices (GO ETGAME). +

## E\*TRADE Stock Market Game ETGAME

See if you have what it takes to be a Wall Street tycoon. The E\*TRADE Stock Market Game provides its participants with \$100,000 to invest in game accounts. Choose to play either the stocks-only game, the stocks and options game or both. You will have access to actual market data and prices, and the E\*TRADE computers even track commission costs to make the game realistic. At the end of every month, the player in each game with the largest percentage increase wins a cash prize. +

## European Company Library EUROLIB

The European Company Library contains directory and financial information on more than 2 million European companies. Information is available from leading business databases such as ABC Europe, D&B-European Dun's Market Identifiers, Financial Times, Hoppenstedt Austria, Hoppenstedt Benelux, Kompass Europe and Telefirm. Information can be retrieved by entering the company name, industry codes or specific geographic location. \$

## Financial Forums FINFORUM

This section contains financial forums. The Financial Forums enable you to ask specific questions about financial matters such as investments and the economy, or about technical matters such as running Lotus 1-2-3. You'll be asking professionals who know their subject matter well, and you will have a chance to trade ideas with others like yourself.

## FundWatch Online MONEYMAG

Fundwatch Online by *Money Magazine* is a comprehensive mutual fund database for screening and reporting on over 1,900 professionally managed investment alternatives. FundWatch Online allows you to screen on numerous criteria to find the best-performing funds with the lowest expense rates. And the detailed reports show you how any of the funds have performed in the current month, current year, and over 1, 3, 5, and 10 year time spans, as well as the fees and expenses and a contact phone number should you decide to invest or have additional questions.

## Futures Focus ACI

*Futures Focus* is a weekly newsletter for the futures trader published by News-a-tron. It features the TSF trading system, a market overview and tips on how to improve one's trading performance. Updated Fridays. \$

## German Company Library GERLIB

The German Company Library contains directory, financial and product information for more than 48,000 public and private German companies. Information is available from leading business databases such as Creditreform, D&B-German Dun's Market Identifiers, Hoppenstedt Directory of German Companies, and Kompass Germany. Information can be retrieved by entering the company name, industry codes or specific geographic location. \$

## Highlights — Previous Day MARKET

Market Highlights analyzes the most recent trading day for the New York Stock Exchange, American Stock Exchange and Over-The-Counter markets and prepares 19 different reports. Included are the most active stocks, the largest gainers and losers, stocks for which the price has risen or dropped over the past three, four or five trading days, stocks with new 6-month highs or lows, stocks with a low above yesterday's high or a high below yesterday's low and stocks that have traded twice their average volume. Updated overnight. \$

## Historical Stock/Fund Pricing SECURITIES

This menu accesses the MicroQuote II historical database in a variety of ways.

## I/B/E/S Earnings Estimates IBES

I/B/E/S is the Institutional Broker's Estimate System and represents a consensus of annual and long-term forecasts from more than 2,500 analysts at 130 brokerage and institutional research firms. These firms include the top 20 research firms in the country and 100% of the all-star analysts as ranked by Institutional Investor magazine. The database includes information about more than 4,500 companies and reports the most optimistic and pessimistic EPS estimates as well as median, mean and variation. Current share price, earnings per share and price/earnings ratio are included. Updated every Sunday with market values updated daily. \$E

## Index Symbol Lookup INDICATORS

This product gives the ticker and the CUSIP number for all indexes included in the MicroQuote II database along with the time period for which each index has data. Issues are categorized into manageable groups designated by Market/Industry Indexes, Bonds/Yields, Exchange Rates, Volumes, Advances and Declines and any issues that are new or do not fall into one of the previous categories.

## Instructions/Fees FINHELP

This area provides immediate answers to commonly asked questions, information about session charges and product surcharges, update times, and offers you an opportunity to give feedback on the financial service offerings.

## International Company Information COINTL

Information on millions of international companies from Canada (GO COCAN), the US (GO COMPANY), Germany (GO COGERMAN), the UK (GO COUK), other European countries (GO COEURO) and countries in the Pacific (GO ANZCOLIB) is available in International Company Information. Each section contains its own databases to help you easily track information such as the countries' largest companies and their products for many public and private companies and leading businesses. Available company information includes location, number of employees, annual earnings and industry codes.



## Investext INVTEXT

Investext contains the full text of company and industry research reports compiled during the most recent 2 years by analysts in more than 50 Wall Street, regional, and international brokerage houses and research firms. Company reports include historical information such as a company profile; revenues, earnings and other financial operating results; stock performances; and an additionally include the researching brokerage's recommendations and an analysis and forecast of the company's future performance. Industry reports, available for more than 50 industry groups, can contain information on trends and developments in the industry; new technology and product developments; competition and market share; and an additionally contain an analysis with descriptive text and statistics.

## Investment Analysis ANALYSIS

Investment Analysis menu selects give members of using MicroQuote II investment DISCLOSURE over Screening and Securities MicroQuote use can be used opportunity to search for prospectus information on over 10,500 companies and over 160,000 securities and ga.

place where those to track return. In order to discuss market information and participate in investment conferences scheduled regularly, load information on specific areas of investment from stocks to real estate, and both novice and experienced investors can benefit from any feature.

## Company Information IQINT

expert designed for program-controlled microcomputer. IQINT, however, retrieves items about the specified issue from company financial information from DISCLOSURE earnings information from I/B/E/S. Updated overnight.

## Symbol Lookup SYMBOLS

Through this menu you can determine what securities and companies are covered and the access symbol for each. Updated overnight.

## List Bonds for Company BONDS

Bonds Listing displays all active bonds for the designated company. The report includes the ticker symbols, CUSIP numbers, issue description, yield and current selling price for each bond. Also included in the report is the quality rating expressed by both Standard & Poor's and Moody's. Updated overnight.

## Market Quotes/Highlights QUOTES

This menu delivers CompuServe's current and historical quotes products via menus. Quick Quote contains current market quotes on stocks, options and market indexes along with end-of-day foreign currency exchange rates, net asset values for mutual funds and current yields on money market funds. The MicroQuote database contains historical information on more than 160,000 stocks, bonds, mutual funds and options as well as international exchange rates and hundreds of market indexes. Dividend, interest, distribution and split histories go back 20 years, and daily price and volume data are available for the past 12 years. MicroQuote II also contains investment data on earnings, risk and capitalization. Quick Quote current stock quotes are delayed over 15 minutes. Most commodities data are available by 7:00 P.M. Eastern Time (midnight GMT), and MicroQuote II price and volume information for all securities is updated and available by 7:00 A.M. (noon GMT) the next

morning. CompuServe is very careful about the accuracy of its data. We perform automated reasonability tests and use independent sources to check any discrepancies. Many major investment banking firms regularly depend upon this data. Here are a few tips that you may find useful when using quotation data:

- ▶ You will need to enter a ticker symbol. If you do not know it you can enter an asterisk followed by the beginning of the company name or you can look them up using the Issue/Symbol Lookup programs, GO LOOKUP.
- ▶ If you are at a prompt for company name or ticker symbol and you wish to exit the program, the navigational commands such as TOP or MENU will not work. Instead, you need to enter /T or /M so that the system knows you are not trying to enter a company name or ticker symbol.
- ▶ For some products you will need to enter the date or number of days, weeks or months for which you want pricing information. Dates may be entered in several formats including mm/dd/yy (i.e. 10/15/92 or 7/93).

To check the current price of a stock anywhere on the service type QUOTES and a stock ticker symbol at any prompt. Separate the symbols with commas to price more than one issue. The display includes the ticker symbol, the day's most recent quote and posting time, change from yesterday's close and the number of shares traded.

## MetaStock Quote Club METASTOCK

If you retrieve quotes using either of the popular EQUIS financial applications — the DownLoader for MetaStock or the Pulse Portfolio Management program — you can realize substantial savings over our regular quote rates by becoming a member of the MetaStock Quote Club. A monthly fee enables you to retrieve quotes without connect-time charges, and quotes for stocks, options, bonds, indexes, commodities, and mutual funds are just one cent/quote.

## Micro Software Interfaces INTERFACES

This choice contains menu options for software interfaces that can increase the abilities of your personal computer to interact with CompuServe.

## MMS International Financial Reports MMS

MMS International is a multinational corporation specializing in financial and economic research. MMS has expertise in monetary theory and forecasting of central banking policies and operations. They produce a series of economic reports released on a daily, weekly and biweekly basis. Reports offered include FEDWATCH, which focuses on interest rate trends and Federal Reserve Board activity, daily analysis of the debt, currency and equity markets, and special briefings on economic data, including expectations. Also included is the recommended MMS stock portfolio. A schedule of updates is included online with the product.

## Mortgage Calculator MORTPAY

With the Mortgage Calculator, you can quickly and easily generate a loan amortization schedule. Simply enter the amount of loan, interest rate, number of years and number of payments per year. The calculator displays the amount of each payment and the total interest paid.

## MQDATA — Prices, Dividends, Security Descriptions MQDATA

MQDATA creates files for transfer to your microcomputer and allows access to MicroQuote II data. Members may select one or more issues for a range of days, weeks or months and create files formatted for use in spreadsheets, databases or BASIC programs. Members can also download dividends, earnings, yields and other descriptive and performance data. Updated overnight.

## MQINT — Securities Prices MQINT

MQINT is designed to meet the needs of microcomputer software that automates the downloading process. CompuServe guarantees an unchanging dialogue within the program, with all prompts ending in a colon. MQINT allows access to the MicroQuote II, Quick Quote and Commodity databases. Members may select to retrieve single-day quotes for one or several issues or a time-series of quotes for a single issue or contract. The program minimizes data transmission time and employs a check sum if requested to assure correct data. Updated continually.

## Multiple Issues — 1 Day QSHEET

QSHEET gives volume, close/average, high/ask, low/bid and CUSIP numbers for several issues for a given day. You may enter a previously stored file of up to 500 ticker symbols for processing. Updated overnight.

## National Association of Investors Corporation Forum NAIC

The goal of the National Association of Investors Corporation Forum is to educate long-term investors in how to find quality companies and buy stocks at good prices. Well-managed companies are identified from reported financial data and in-depth analysis. Members can share information on portfolio management, software and favorite stocks.

## News-A-Tron Market Reports NAT

Market Reports give analysis and cash market prices on selected commodities, market indexes, financial instruments and foreign exchange information.

## Options Profile OPRICE

Options Profile lists all options currently trading on a given common stock or market index. Coverage includes put and call options trading on major U.S. exchanges. It lists the name, 15-minute delayed price or pricing date, ticker symbol and exchange code for the underlying company. The exercise price and closing option price are displayed for each active option. Market prices updated continuously.

## Personal Finance/Insurance FINANCE

This menu includes many services and programs that are useful for making personal financial and insurance decisions.

## Portfolio Valuation PORT

Portfolio Valuation finds the value of a previously created portfolio for dates you select and displays unrealized gains and losses. Market prices updated continuously.

## Price/Volume Graph TREND

Price/Volume charting provides graphic presentations of both the traded price and the trading volume for the requested days, weeks or months. Relevant information such as the current earnings, price, dividend and risk information for common stocks is displayed with the graph. Your personal computer and communications software must be able to support graphics to use this product. The CompuServe Information Manager (CIM) software supports the graphics in the trend chart. Updated overnight.

## Pricing History — 1 Issue PRICES

PRICES gives over 12 years of historical prices by day, week or month. It includes CUSIP, exchange code, vol high/ask, low/bid and close/average for a given security. You may designate the beginning and ending date or number of time periods. Updated overnight.



## Pricing Statistics PRISTATS

Pricing Statistics provides a snapshot of price and volume performance for a requested issue over a given period. It indicates such items as whether an issue is trading closer to recent high or low prices. The statistics include the current high/ask, low/bid and close average as well as the highest high, the highest close, the lowest low, the lowest close, the highest volume, the lowest volume and the average and standard deviation for high, low, close and volume. Also included are the total volume, the beta factor and the beta centile rank. Updated overnight. \$

## Quick Way QWK

Quick Way offers all the functions of a traditional stockbroker conveniently through your computer including market and limit orders and trading on margin. The service is provided by Quick & Reilly, one of the largest discount brokerage firms. Quick & Reilly offers its customers:

- ▶ Discount commissions
- ▶ Online quotes for stocks, options, market indexes, commodities and mutual funds
- ▶ The ability to place buy and sell orders, review, change, cancel orders and receive confirmations when orders are executed
- ▶ The ability to place buy or sell orders 24 hours per day.

With Quick & Reilly you can open individual or joint accounts, as well as IRA, Keogh, pension, profit sharing, custodial, trust, estate, corporate, partnership and investment club accounts. Portfolio evaluation services include value, income, unrealized gains and losses and year-to-date realized gains and losses. For monthly exchange fees, you can get real-time quotes (otherwise quotes are delayed over 15 minutes). \$

## RateGram Federally Insured CDs RATEGRAM

RateGram provides a service for finding the highest yielding federally insured savings instruments available nationwide. Information is available on liquid money market accounts, certificates of deposits, money market mutual funds and tax free money market funds. A weekly yield summary is provided along with a rate almanac listing information such as the prime lending rate, discount rate, federal funds rate, Fannie Mae home loan mortgage rates and one year T-Bill and T-Note rates. \$

## Return Analysis RETURN

Return Analysis calculates the annualized returns for your securities. Because you enter the holding period, this product is useful for analyzing the historical performances of specific issues such as mutual funds in bull and bear markets. Updated overnight. \$E

## S&P Online S&P

S&P Online from Standard & Poor's Corporation contains recent information on approximately 5,600 companies including business summaries, earnings outlooks, historical earnings and dividends and product line summaries. All information is dated to indicate when it was last revised. The S&P Master List presents buy recommendations of various investment objectives and S&P investment present stocks which Standard & Poor's expects will perform the market over the next 12 months. Updated every Tuesday night. \$

## Search for Company Name, Ticker Symbol or CUSIP LOOKUP

LOOKUP will search by name, CUSIP number, ticker symbol, CNUM or SIC code and list all the issues for a company you select. The product displays the ticker symbol, SIC number, exchange code, SIC code, name and description for each issue. Use LOOKUP to find ticker symbols, CUSIP numbers for use in other investment services.

## Securities Screening SCREEN

This product enables you to select a type of investment and then screen the MicroQuote II database to see what securities meet your criteria. When selecting common stocks, for example, you can search on price, earnings, dividends, risk, capitalization, recent highs and lows, exchange and industry. Securities Screening is useful for identifying issues to buy or sell short and for picking bonds with specific maturity dates and yield targets. Updated overnight. \$E

## Tenderlink TENDERLINK

The Tenderlink searchable database contains business opportunities such as new tenders, expressions of interest, development projects and equipment for sale or hire. The up-to-date information is obtained from governments, banks and large institutions around the world. The business opportunities, covering more than 15,000 products and services, can be searched by product code, keyword, location (city and country) and date. \$

## Thomas Register Online THOMAS

Thomas Register Online contains company information on almost 150,000 U.S. and Canadian manufacturers and service providers. Updated annually, the information available in each record includes the company name, address, telephone number and products or services provided. \$

## TRW Business Profiles TRWREPORT

TRW Business Profiles provides credit and business information on more than 13 million organizations. Use this database to find actual account information for over 70 million business account relationships as reported by participating corporations. Information in a report can include credit histories; financial information and ratios; key business facts such as size, ownership and products; UCC filings; tax liens; judgments and products; and an executive summary. \$

## Company Library

The Company Library provides information on a wide range of companies, including financial, industrial, and service companies. The library includes information on company size, location, and products. It also includes information on company history and financial performance. The library is updated regularly and is a valuable resource for investors and analysts.

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**Sports Medicine** INFOUSA  
Jog, bike, swim or ski to the Sports Medicine clinic. Information is available through Information USA on basic exercise physiology, exercise testing, training, nutrition and the general risks versus benefits of exercise. Articles discussing specific sports give information on each sport's benefits, advantages and disadvantages and how to get started. You can keep track of your fitness efforts by using the chart of energy costs for various activities. +

**UK News Clips** UKNEWS  
UK News Clips offers full-text stories which pertain to the UK from the Reuters World news wire. The articles cover a broad range of UK financial, political and economic news and often focus on UK relations and business dealings with the US, Pacific Rim and neighboring European Community nations. Stories are held within this clipping file for 24 hours.

**UK Newspaper Library** UKPAPERS  
The UK Newspaper Library contains articles from the leading United Kingdom newspapers including *The Daily Telegraph*, *Sunday Telegraph*, *The European*, *The Financial Times*, *The Guardian*, *The Times* and *Sunday Times*. The articles are extracted from current issues of the newspapers, as well as from several years back. Retrieve full-text articles by searching for a name, word or phrase. \$

**UK Sports Clips** UKSPORTS  
UK Sports contains full-text sports stories from the Reuters World news wire. It is a comprehensive source for stories about sports such as cricket, football (known as "soccer" in the US), snooker (billiards), athletics (track and field) and rugby. Competition coverage is world-wide.

**UK Weather** UKWEATHER  
The HMI version of UK Weather contains short-term weather reports for more than 12 cities within England, Scotland, Wales and Northern Ireland, as well as high- and low-resolution weather maps. Also available are reports and maps for sites in continental Europe, North America and the Pacific Rim. The HMI version works with DOS CIM 1.3 or higher and with Mac CIM 1.5 or higher. Accu-Weather, Inc. provides all other maps and all weather reports outside the United States.

**U.S. News Forum** USNFORUM  
From "news you can use" to Washington politics, discuss, in the U.S. News Forum, issues and topics explored in *U.S. News & World Report*. The message area lets you post a letter to the editor and possibly see it printed in an upcoming issue. The libraries contain additional information about articles in the magazine as well as public documents related to stories in the news. +

**Related Topics**  
Electronic Mail/Shopping  
The Electronic Mail MALL  
—See Sports/Fitness/Health  
Sports Simulations Forum  
Games  
Investing and Finance  
Citibank's Global Report  
Investors' Forum  
News-A-Ton Market Reports  
Personal Interest & Hobbies  
AIDS Information  
AIDS CMMLAIDS  
Earth Forum  
GARDENING  
Health/Fitness  
OUTDOORS  
RockNet ROCK  
Sailing Forum  
SCUBA Forum  
DIVING

**Professional Interests**  
Broadcast Professional Forum  
Journalism Forum  
Media Newsletters  
Media Services  
PR SIG  
Reference Librarians  
SMENET'S MAGDB  
USSTCN  
US-S-  
Special  
Issues  
SHOWBIZ  
SOAPS  
Space/Astronomy Forum  
STATE  
Dept. of State Advisors  
VISA  
VISA Advisors

**U.S. News Online** USNCUR  
U.S. News Online provides access to the articles and graphics in the current issue of *U.S. News & World Report*. The online version is available the weekend before the magazine reaches subscribers. Features, photos, charts and graphs from the issue can be viewed free of charge. To download past issues of the magazine, access the U.S. News & World Report Article Database.

**U.S. News & World Report** USNEWS  
The U.S. News & World Report family of services provides complete access to current and past issues of *U.S. News & World Report*. Included in the family are an online version of the current issue, a database of back issues, a forum where members can discuss articles and a mail where customers can subscribe to *U.S. News & World Report*. Further information on the individual products in this family are discussed in this section.

**Weather WEATHER**  
This choice contains various weather products. For U.S. locations, a wide variety of National Weather Service reports and Accu-Weather maps are provided. For locations outside the U.S., Accu-Weather maps and current condition and three-day forecast reports are available. Weather information is also available as part of some aviation products (GO AVIATION).

**Weather Maps** MAPS  
Using CompuServe CIM or any GIF compatible program, you can display 16 color or black and white maps of North America, the United Kingdom, Continental Europe, the Pacific Rim and Australia/New Zealand. Each section offers a satellite map, current conditions and forecast maps. Radar, depiction and regional wake-up maps are also available for the United States. Most maps are provided by Accu-Weather, Inc.

**Weather Reports** WEA  
For United States locations, the National Weather Service features short-term state, zone and local forecasts, extended state and national forecasts, severe weather alerts, precipitation probability, state summaries and daily climatological reports.





# News, Weather, Sports

This section offers global news clipping services, business news, feature stories, sports scores and interviews, public and aviation weather, sports forums and even Hollywood gossip. Products in this section let you get the most current news, weather or sports information — often before it appears in the newspaper or on TV.

## Hollywood Hotline

HOLLYWOOD

Hollywood Hotline is a news and information service of noteworthy events in motion pictures, television programs and music recordings. It also includes a trivia quiz, entertainment features and an entertainment encyclopedia that includes such things as past Academy and Tony award winners. Hollywood Hotline also offers you reviews of the most recently released movies in the theater. In addition, there is an informative guide to the movies that lists the films by useful categories such as "Must See! Get Right in Line" and "For an Entertaining Night at the Movies."

## Motor Sports Forum

RACING

Motor Sports Forum provides the member with driver biographies, track information, sanctioning organization addresses and contact information, schedules and other information of interest to motor sports fans. In addition, the forum includes real-time auto racing reports, filed directly from major events around the world. +

## NCAA Collegiate Sports Network

NCAA

Rah Rah! Sis Boom Bahl! Keep up to date on your favorite college football, basketball, baseball and softball Division I, II and III teams. The NCAA Network, sponsored by the National Collegiate Athletic Association, provides you with statistics for individual players and teams, news releases and poll results for men's and women's collegiate sports. +

## NewsGrid

NEWSGRID

NewsGrid is a comprehensive news service compiled from several global news wire services. It covers business, U.S. and world news. You can access stories using Headline Menus, Market Updates or Keyword Searches. Headline Menus change as new top stories become available throughout the day. Market Updates provide regularly scheduled financial reports on the economy and Wall Street. Keyword Searches select stories sent within the past seven days based on the keywords you enter. +

## News Source USA

NEWSUSA

News Source USA is a comprehensive collection of major US magazines, newspapers and special features designed to keep you informed. A scan feature enables you to quickly locate articles from several sources at the same time. Research assistance is available from a team of skilled Search Specialists (SSs). Newspaper articles appear 2-4 days after publication; magazine articles are online about one month after publication. Magazines and newspapers from outside the US can be searched by a Search Specialist. \$

## NWS Aviation Weather

AMX

Computerized Aviation Weather is instant weather for pilots. It uses the N.O.A.A. Service "A" weather wire. This is the same data used in International Flight Service stations. It includes hourly reports, terminal forecasts, NOTAMS, PIREPS, SIGMETs, AIRMETs, area forecasts and radar summaries. Updated continuously.

## Outdoors News Clips

OUTNEWS

Review the latest full-text news reports on issues concerning the environment and outdoors activities including hunting and fishing. News items are extracted from major news sources such as AP and UPI. \$

## Global Crises Forum

CRISIS

Join the Global Crises Forum to discuss the latest news on areas such as the Balkans, the Baltic Republics, the Old East Bloc and the Middle East. Also, you can discuss political or business issues about the former USSR with others who share your concerns. Every month, the forum concentrates on different global HOT SPOTS, depending on world events. Additionally, downloadable files can help you learn more about our world. +

## Florida Today Forum

FLATODAY

Talk with the editors of *Florida Today*, the "Space Coast's" newspaper, about topics ranging from space to sports. Find out the latest space shuttle launch updates; learn about the Florida Marlins (Florida's first major league baseball team), and discuss Florida politics, education and social issues. +

## Executive News Service

ENS

Members can keep informed of news affecting their business and personal interests with the Executive News Service. ENS is the unique electronic clipping service that monitors Associated Press news wires, the Washington Post, United Press International news wires, Deutsche Presse-Agentur and Reuters news wires for stories containing words or phrases you specify. The stories are clipped as they come across the wires and held in electronic folders for you to review at your convenience. \$E

## EMI Non-graphic Map

AERORAD

An EMI Non-graphic Map shows radar precipitation with numerical indicators of precipitation intensity. Display the eastern two-thirds of the U.S.; the western two-thirds, or the entire country (information for the Southwest is not included). You can also send the eastern or western maps directly to a FAX machine (for a fee). The weather data are updated every hour with information from the National Weather Service.

## DPA News Headline Service

DPANEWS

DPA News Headline Service (DPA-Kurznachrichtendienst) features articles from Germany's premier news agency, Deutsche Presse-Agentur (DPA). The articles, transmitted and displayed in German, are categorized into Headline News Summaries (Schlagzeilen), Politics (Politik), Business (Wirtschaft), Sports (Sport), Culture (Kultur) and Miscellaneous (Verschiedenes). The news service delivers more than 60 news stories a day, 24 hours a day.

## The Business Wire

TBW

The Business Wire makes available press releases, news articles and other information from the world of business. It is updated continuously throughout the day and brings information on hundreds of different companies. +

## Associated Press Sports Wire

APSPORTS

The Associated Press Sports Wire gives the latest scores, news and league leaders in football, baseball, basketball, soccer, hockey, tennis and golf as well as information on college sports, Olympic competitions and other sports. \$

## Apple News Clips

APPLE

Review the latest full-text articles and reports about Apple Corporation and Apple products from AP, UPI, Reuters and other news wires. \$

## AP Online

AP0

AP Online gives the latest news from Associated Press. It includes national news, Washington news, world news, political happenings, entertainment, business news, Street news, Dow Jones averages, features, sports, weather and science/health stories.

## AIDS News Clips

AIDNEWS

Review the latest full-text news reports about AIDS including international news and reports and the most recent AIDS research results. +



## AIDS Information AIDS

This choice gives you a menu of products that contains information pertaining to AIDS, the Acquired Immune Deficiency Syndrome.

## Aquaria Fish Forums FISHFORUMS

Aquarium professionals and hobbyists alike can find information and friends in FISHFORUMS. Join the Aquaria/Fish Forum (GO FISHNET) to talk 'fish.' Members of fish specialty groups can exchange information on products, fish diseases and news. Join a live conference and meet fellow fish fanciers across the country. Regular conferences are scheduled with some of the nation's best known aquarists. Questions to the Forum Administrator (SysOp) will be answered within 24 hours, but if you can't wait, a voice line is available. +

## Art/Music/Literature ARTS

From Bach to rock, from Shakespeare to Spiderman, this menu lets you converse on a variety of topics.

## The Attention Deficit Disorder Forum ADD

If you or your child, spouse, co-worker or friend experiences Attention Deficit Disorder (ADD), join the ADD Forum. This forum is dedicated to discussions on ADD such as diagnosis, schools, learning, therapy and ADD in the workplace. You can find out where and when support group meetings are held, and question doctors about ADD and its effects. For questions that require immediate attention, an SOS message section is available. +

## Automobile Forum CARS

Attention, car buffs! The Automobile Forum covers all facets of the automotive world from buying, selling and fixing cars to dreaming about what future cars will be like. You can find answers to your questions or demonstrate your own knowledge about car finance, insurance, safety and problems. Swap stories with other members about unforgettable experiences, classic cars or new developments in the car industry. +

## Automotive Information AUTO

This menu provides information on a variety of automotive products, including car showrooms, an auto racing forum and automotive equipment.

## Bacchus Wine Forum WINEFORUM

The Bacchus Wine Forum presents information on many wine-related and home beer brewing topics. Information about your favorite wines may also be shared with other wine lovers. Issues of *The Informed Enophile*, a wine newsletter, are included, and online wine-tasting parties are held regularly. +

## Cancer Forum CANCER

The Cancer Forum is an online hotline providing information about cancer and support for people with cancer, their friends and relatives. Topics covered include standard and supplemental methods of cancer treatment, research and cancer in children. Support is provided by forum members and the Cancer Hotline in Kansas City. The forum does not provide medical opinions or diagnoses. +

## CCML AIDS Articles CCMLAIDS

People interested in AIDS research can use this searchable medical library to find full text AIDS-related articles. Sources include medical reference books, text books and medical journals such as the *New England Journal of Medicine*, *Science* and *Nature*. \$

## Collectibles Forum COLLECT

Philatelists, numismatics and other collectors will enjoy the Collectibles Forum. Beginners and dealers will want to stop by regularly for pricing and trading information and to

# Personal Interests and Hobbies

This section contains information on diverse interests and hobbies such as food, wines, genealogy, sailing, stamp collecting, pets, fitness and health.

check out the Collectors' and Dealers' Network. Baseball cards and other collectibles are also included. +

## Comics/Animation Forum COMICS

The Comic Book Forum features news, reviews and conferences with some of the greats of comic books and animations. +

## Cooks Online COOKS

This is a place where people can share their enthusiasm for cooking and gourmet food. Members swap recipes, exchange cooking tips and share menu planning ideas. Fine restaurants are discussed, and members can consult with cooking experts online. +

## Crafts Forum CRAFTS

If you enjoy stitching, knitting, wood-working or other crafts, join the Crafts Forum and become enveloped in a world of fresh ideas and inspiration. Message sections are devoted to specific crafts like quilting, cross-stitching, sewing and painting. Members compare techniques, swap project ideas and describe projects they are working on now or have done in the past. The libraries are stuffed with downloadable patterns and articles about crafts. +

## Diabetes Forum DIABETES

The Diabetes Forum is for anyone interested in diabetes, hypoglycemia or related genetic autoimmune conditions. Meet other diabetics, family members of diabetics, friends and medical practitioners. Message sections and libraries cover medications, diet and exercise, technology, treatments and more. +

## Disabilities Forum DISABILITIES

The Disabilities Forum is a communication facility and support group for anyone interested in disabilities to exchange information. Disabled people share information, ideas and experiences related to their daily living. Parents and families of disabled people and professionals who work with disabled people also share their experiences and information. The Disabilities Forum is open to everyone. +

## Earth Forum EARTH

Get involved in your world. The Earth Forum is for people who want to help solve environmental problems. Members hold conferences online with environmental experts and professionals to enhance the members' knowledge and ability to help save the environment. +

## The Family Handyman Forum HANDYMAN

Whether you are an avid do-it-yourselfer or simply need to fix a dripping faucet, the Family Handyman Forum has answers to your questions. Sponsored by *The Family Handyman* magazine, the forum enables you to discuss a variety of topics such as buying tools, building decks and restoring old houses. The libraries contain downloadable step-by-step instructions for common repair tasks as well as stories from *The Family Handyman*. Scheduled conferences provide opportunities to chat with experts in home improvement. +

## Food/Wine FOOD

This Menu contains forums for people who enjoy good food and wine.

## Gardening Forum GARDENING

Before grabbing a spade and your straw hat, join the Gardening Forum. Managed by the National Gardening Association, publishers of the *National Gardening Magazine*, this forum contains over a decade's worth of gardening knowledge and experience from green-thumbed experts. Learn how to create and properly care for blossoming floral gardens and productive vegetable, herb and fruit gardens. Dig into the weed-free libraries and message sections for information about house plants, pest-control, landscaping, garden tools and seed swapping. +

## Genealogy Forum ROOTS

Are you related to Pocahontas? Need information from Revolutionary War veterans' land applications? Want a list of Irish genealogy societies, addresses of vital records departments in all the Canadian provinces or a list of organizations that help adoptees locate their natural parents? Maybe you just want to read or photograph faded tombstones. You'll find what you're looking for in the Genealogy Forum, the forum for people interested in researching ancestry and using PCs for genealogy databases, word processing and genealogy data communications. +

## HamNet (Ham Radio) Forum HAMNET

This conferencing facility of HamNet Online enables you to converse with others who are interested in amateur radio and short-wave listening. +

## Handicapped Users' Database HUD

Handicapped Users' Database provides articles and topics of interest both for and about the handicapped. Included are a reference library, a list of organizations and information about computer products specifically geared for use by handicapped individuals. An online message board for the exchange of ideas is also available.

## Health and Fitness Forum GOODHEALTH

The Health and Fitness Forum provides the member with general health-related information and support groups. Included are discussions of exercise, nutrition, fitness, mental health, emotional and family health, the elderly, food, substance abuse such as alcohol and drug dependency, environmental hazards and alternative health care. +

## Health/Fitness HEALTH

This menu contains options for information on health-related matters including sports medicine, sexuality, mental health and general health topics.

## HealthNet HNT

HealthNet is a comprehensive online medical reference source containing a reference library and section about sports medicine. Included in the Reference Library are sections about disorders and diseases, home health care, prescription drugs and eye care. The Sports Medicine section contains information on nutrition, exercise and the benefits of and injuries incurred from some specific sports.



## Humane Society of the United States Forum HSUS

Join in the national Humane Society's efforts to create a humane world and sound habitat. In this forum, you can participate in discussions about topics such as wildlife protection, the humane education of children, experimentation on animals and pet care. Also browse through the libraries which contain information that you can use to support the ethics you share with the Society. +

## Literary Forum LITFORUM

The Literary Forum is a gathering place for professional writers, literature readers, journalists, humorists and those with an interest in any related field. Included are sections on poetry, controversial topics, fiction, science fiction, comics, humor and journalism. +

## Masonry Forum MASONRY

The Masonry Forum provides a medium for furthering communications among the members of the worldwide bodies of Freemasonry and its affiliated organizations. Members of this forum discuss and learn about all aspects of Freemasonry (which may be publicly discussed) including the history, symbolism and day-to-day concerns of brothers and lodges. Learn how to become a Mason and to live by Mason principles. Non-Mason members are welcome to participate. +

## MENSA Forum MENSA

Sponsored by American Mensa, Ltd., the MENSA Forum provides a place for Mensa members and non-members to exchange information and ideas on the development and application of human intelligence. Message and library sections include topics such as scholarships, gifted children and puzzles. +

## Military and Veterans Forum MILITARY

The Military and Veterans Forum encourages discussion of current topics and includes a section for vets to inquire about benefits and data library files on the MIA/POW issue, military hardware, the Civil War, veterans organizations, member writings and today's military. It contains Vietnam veterans information plus current military service information including careers and military news. +

## Model Aviation Forum MODELNET

The Model Aviation Forum is for the model hobbyist. Builders of model airplanes, rockets, cars and boats will find all these disciplines covered in the forum. In addition, forum members have access to newsletters and articles from *Model Aviation Magazine* and a complete contest calendar. A 'Swap Shop' enables hobbyists to trade parts. +

## Music and Performing Arts Forum MUSICARTS

Join fellow music fans in conversations about music (including classical, jazz/blues, big band, rock, Broadway, new age, ethnic, country/folk and gospel), ballet/dance and drama. An Upcoming Events section provides schedules and previews of notable music and arts events, and an Education/Careers section hosts discussions among teachers, parents and aspiring professional musicians. +

## New Age Forum NEWAGE

Welcome to the dawning of a new age. Join the New Age Forum to participate in lively discussions about "new age" topics such as psychic arts and sciences; yoga and meditation; Eastern and occult religions and beliefs; natural foods/healing; and environmental issues. +

## Outdoors Forum OUTDOORS

The Great Outdoors provides outdoor lovers with an avenue to converse and share information with other outdoor lovers. Areas and topics of information include camping, climbing, backpacking, fishing, hunting, cycling, sailing and winter sports. The National Rifle Association manages a section on firearms. In addition, search and rescue, nature, wildlife, equipment reviews and park and campground information is included. +

## Pets/Animal Forum PETS

The Pets/Animal Forum covers all kinds of animals, including dogs, cats, snakes, birds, reptiles, horses, bats and other critters. Find help with animal behavior problems. Tell your favorite pet stories. There is an Ask-A-Vet section, pet loss support, pet graphics and other files for downloading, and a fire hydrant section for pet owners to relieve themselves. +

## Pet Product/Reference Forum PETPRO

Pet owners and lovers can talk directly with representatives from a number of businesses specializing in pet products or services. Find out the best way to train your dog or how to raise exotic fish. The libraries contain reference files of interest to aquarists, pet owners, scientists and others. Also, download articles from publications such as *Drum and Croaker Magazine* and the *Journal of Aquaculture*. Represented companies online include Aquatic Book Shop, Champion, Kent Marine and Pet Warehouse. +

## Photography Forum PHOTOFORUM

Shutterbugs of all levels, professional and amateur, can meet in the Photography Forum. Members can discuss photography equipment, film types and camera techniques and view GIF graphic images. Professionals can communicate with others in the business and share money-making ideas. +

## RockNet ROCK

RockNet provides the music enthusiast with up-to-the-minute news and information on the world of rock. It contains

- ▶ The RockNet Forum (GO ROCKNET)
- ▶ Rock news
- ▶ A list of top albums and tapes
- ▶ Articles about rock music. +

## RockNet (Rock Music) Forum ROCKNET

The RockNet Forum has many members within the record industry, and you may learn news items before they appear in newspapers. +

## Sailing Forum SAILING

The Sailing Forum is an electronic Yacht Club for people interested in discussing and learning about all aspects of sailing. It includes conferences with sailing celebrities and experts. Members enjoy relaxing on deck and soaking up the digital sunshine, diving into the depths of the database libraries and round-robin discussions in the conference area. +





## Sci-Fi/Fantasy Forum SCIFI

The Sci-Fi Forum is a place where people who enjoy science fiction can get together and chat about their mutual likes and dislikes. There are also conferences with famous authors, producers and publishers. +

## Scuba Forum DIVING

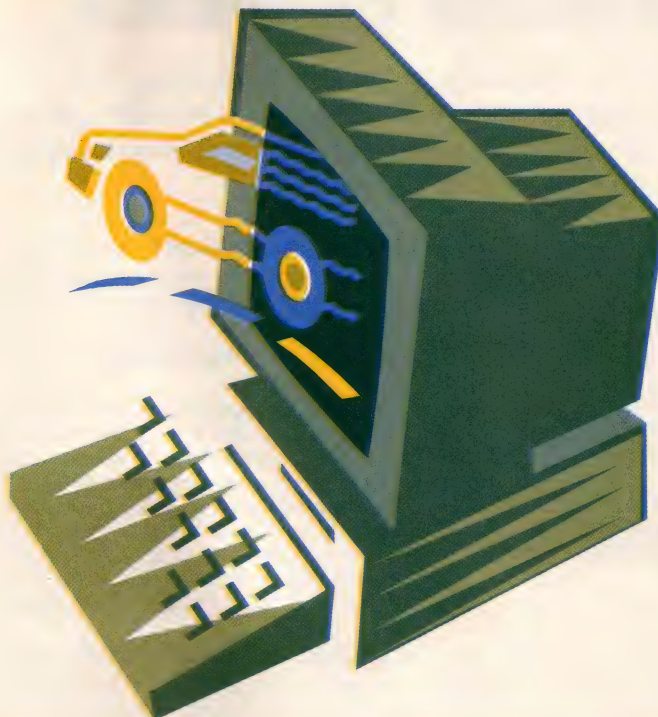
The Scuba Forum is run by experienced scuba divers and diving professionals and has information ranging from seeking scuba instruction to pursuing a career in diving. The forum is for experienced divers as well as people with just a casual interest who want to find out more about diving. Browse through the forum for dive sites; ask questions of fellow divers; attend scheduled conferences with diving physicians, professional divers, instructors, underwater photography specialists and others. Learn how to care for equipment and take better underwater photographs. Make new diving friends in the Scuba Forum. +

## TrainNet Forum TRAINNET

TrainNet is your railroad forum. If you are a model railroader or railfan, TrainNet offers something for anyone interested in anything that runs on flanged wheels from Amtrak to Z Scale. You can use TrainNet to find a hobby store near you, find railroad historical or technical societies, or locate model railroading and railfan magazines. All aboard! +

## Worldwide Car Network WCN

If you are interested in classic and later models of American, European or Japanese cars, motorcycles or trucks, you should check out the Worldwide Car Network forum. Sponsored by Worldwide Car Network, the world's largest provider of information about the exotic- and collectible-car market, this forum hosts discussions on everything about cars from driving the latest Ferrari to finding parts for that old Ford. From the forum's inception, it has emphasized worldwide coverage with many members from the UK and other areas of Europe. +



### Related Topics

#### Computer and Software Support

Computer Art Forum COMART  
Logo Forum LOGOFORUM  
MIDI A Vendor Forum MIDIIVEN  
MIDI B Vendor Forum MIDIBVEN  
MIDI/Music Forum MIDI

#### Electronic Mall/Shopping

The Electronic Mall MALL  
— See Arts/Music/Video  
Auto/Boat/RV  
Books/Periodicals  
Gifts/Flowers/Gourmet Foods  
Hobbies/Toys/Pets  
Sports/Fitness/Health

#### Games

Astrology Charting ASTROLOGY

#### Investing and Finance

Calculating Personal Finances FINTOL  
Dun's Electronic Business Directory DYP

#### News, Weather, Sports

Aids News Clips AIDSNEWS  
Executive News Service ENS  
Florida Today Forum FLATODAY  
Hollywood Hotline HOLLYWOOD  
Motor Sports Forum RACING  
Newspaper Library NEWSLIB  
Outdoors News Clips OUTNEWS  
Roger Ebert's Reviews & Features EBERT  
Sports Forum FANS

#### Professional Interests

AMIA Medical Forum MEDSIG  
Aviation Forum AVSIG  
Computer Training Forum DPTRAIN  
Entrepreneur's Small Business Forum USEN  
IQuest Medical InfoCenter IQMEDICINE  
SafetyNet SAFETYNET  
Working From Home Forum WORK

#### Reference Library

Academic American Encyclopedia ENCYCLOPEDIA  
Biz\*File BIZFILE  
Book Review Digest BOOKREVIEW  
Books in Print BOOKS  
Business Database Plus BUSDB  
Computer Database Plus COMPDB  
Computer Directory COMPDIR

Consumer Reports CONSUMER  
Demographics DEMOGRAPHICS  
Dissertation Abstracts DISSERTATION  
ERIC-Education Research ERIC  
Health Database Plus HLTDB  
Information USA INFOUSA  
IQuest IQUEST  
KNOWLEDGE INDEX KI  
Magazine Database Plus MAGDB  
Magill's Survey of Cinema MAGILL  
Marquis Who's Who BIOGRAPHY  
New Car Showroom NEWCAR  
NORD Services/Rare Disease Database NORD  
PaperChase PCH  
Peterson's College Database PETERSON  
Phone\*File PHONEFILE  
Physicians Data Query PDQ

#### Special Interest Groups (Forums)

Consumer Electronics Forum CEFORUM  
Education Forum EDFORUM  
Educational Research Forum EDRESEARCH  
Foreign Language Forum FLEFO  
Holistic Health HOLISTIC  
Human Sexuality Databank and Forums HUMAN  
IBM Special Needs Forum IBMSPECIAL  
Issues Forum ISSUES  
JFK Assassination Forum JFKFORUM  
Political Debate Forum POLITICS  
Religion Forum RELIGION  
Science/Math Education Forum SCIENCE  
Seniors Forum SENIOR  
Showbiz Forum SHOWBIZ  
Soap Opera Summaries SOAPS  
Space/Astronomy Forums SPACE  
Students' Forum STUFO  
White House Forum WHITEHOUSE

#### Travel

California Forum CALFORUM  
Japan Forum JAPAN  
Recreational Vehicle Forum RVFORUM  
Travel Forum TRAVSIG  
UK Forum UKFORUM  
Zagat Restaurant Survey ZAGAT



# Professional Interests

This section describes forums and database services which enable professionals to exchange ideas and information with others in the same field. People interested in the law, medicine, and other professional fields will find a forum to suit their professional interests.

## AMIA Medical Forum MEDSIG

AMIA is sponsored by the American Medical Informatics Association. Members represent all segments of the professional medical community and use this forum to exchange ideas and information on medically related topics. +

## Aviation Forum AVSIG

The Aviation Special Interest Forum is a group of people interested in computers and airplanes. It covers general flying issues, safety, weather, air traffic control, balloons and soaring, want ads and personal computer programs. AVSIG is open to any and all who care to visit and share their ideas and experience in the field of aviation. +

## Broadcast Professional Forum BPFORUM

Broadcast Professional Forum covers the major publications, manufacturers and trade associations, conventions, organizations and seminars that relate to the fields of broadcast and audio engineering, production and land mobile communications. Also included is the latest FCC news as it relates to the broadcast and communications professions. +

## Broadcast Professionals Area BPF

The Broadcast Professionals Area contains several sections of interest to television and radio broadcast professionals in fields such as engineering, production, programming, promotion and land mobile service. For the latest industry information, access *Incue Online* for article summaries, reviews, previews and product announcements. Broadcast engineers can learn more about professional groups such as AESNET, the online area for the Audio Engineering Society, and SBENET, the online area for the Society of Broadcast Engineers. For more information, see Broadcast Professionals Forum (GO BPFORUM), which is accessible from BPA. +

## Business Management MANAGEMENT

This menu contains information for the needs of managers of both large and small businesses.

## Compendex—Engineering Index COMPENDEX

The Compendex—Engineering Index is a searchable database containing abstracts of articles taken from significant engineering and technical literature. Information comes worldwide from journals, publications of engineering professional organizations, conference proceedings and selected government reports and books. Covering virtually all engineering disciplines, topics include properties and testing of materials, fluid flow, pollution, ocean technology, applied physics, food technology and measurement. \$

## Computer Consultant's Forum CONSULT

The Computer Consultant's Forum is the place for computer consultants to exchange ideas and information on networks, product vendors, commercial software and equipment. Independent consultants can share business tips, technical information and solutions to client problems. The forum is sponsored by the Independent Computer Consultants Association (ICCA), which represents data processing professionals. +

## Computer Training Forum DPTRAIN

The Computer Training Forum is for computer trainers, teachers, information center staff, vendors and anyone else with an interest in the computer learning process. Data libraries contain information on training techniques, office automation, careers and computers in schools. International members contribute reports on computer trends overseas. Members can enroll in free online Professional Seminars taught by leading instructors across the country. +

## Court Reporters Forum CRFORUM

Are you the one in the courtroom who captures and preserves every word of testimony on a mysterious shorthand machine? Or, would you like to know more about these highly skilled individuals who use state-of-the-art software programs to produce verbatim transcripts, as well as television and on-site captioning services for the hearing impaired? If you are a court reporter or are interested in court reporting as a profession, join the Court Reporters Forum to exchange information on topics such as ethics, scopists and notereaders, students, hardware, software and other issues related to this interesting career. +

## E-Span ESPAN

To easily search large numbers of employment opportunities targeted for CompuServe members, access the E-Span employment database within CompuServe classifieds. E-Span is updated twice weekly to provide current information on employment opportunities in a variety of careers.

## EMI Aviation Services EMI

Pilots of any aircraft from giant cargo to single-engine can use EMI Aerocorp's flight planning programs to produce complete cockpit flight logs for trips between any two points in the contiguous 48 states and southern Canada. An optional customized briefing and flight plan filing are provided at no surcharge. Other no-surcharge pilot services offered include an abbreviated summary of local conditions, radar weather maps and a time and distance check that calculates the great circle distance between two points. \$

## Entrepreneur's Small Business Forum USEN

The Entrepreneur's Small Business Forum is an information exchange for entrepreneurs and business resources sponsored by Entrepreneur Group, publishers of *Entrepreneur Magazine*. Topics discussed include business start-up procedures and the development of entrepreneurship. Members are encouraged to discuss business-related problems, ideas and techniques. +

## Entrepreneur's Small Business Square ENTMAGAZINE

Entrepreneur's Small Business Square is a menu offering three products provided by *Entrepreneur Magazine*. From the menu, you can access *Entrepreneur's* Small Business Forum, its Business Franchise and Opportunities Database, or its Small Business Forum.

## The European Community Telework Forum ECTF

Concerns and questions about telecommunications and telematics in the European Community can be addressed in the European Community Telework Forum. Forum discussions focus on innovative advances in telecommunications and on the use of telematics for small businesses and tourism in Europe. A portion of the forum is dedicated to the Research into Advanced Communications for Europe (RACE) programme. Access the ECTF forum to learn more about ECTF and RACE and their effects in the European community. +

## International Trade Forum TRADE

If you'd like to join others in the international trade arena, join the International Trade Forum. The forum enables you to post messages describing products or services you need or can make available to other traders. Also, join the forum to seek out new opportunities and make contacts all over the world. Information about starting out in international trade, tips on travel, business, shipping and customs are found in the forum. Also find out about international trade practices and relationships with governments in various areas ranging from the EEC to New Zealand. An SOS section is also available for urgent questions or comments. +

## IQuest Business Management InfoCenter IQBUSINESS

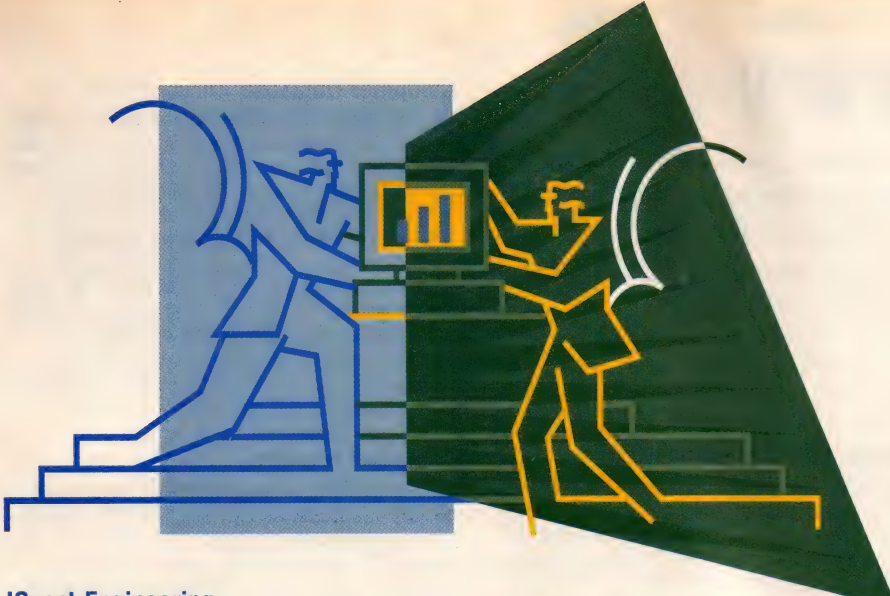
Use the IQuest Business Management InfoCenter as an online reference tool to find information about business including management research, marketing studies and specific companies. InfoCenter databases provide access to business management information extracted from published sources such as journals, books and government publications. \$

## IQuest Education InfoCenter IQEDUCATION

Use the IQuest Education InfoCenter as an online reference tool to find information such as education theory and research, testing and vocational training. InfoCenter databases provide access to information extracted from published sources such as journals, books and government publications about education. \$







### IQuest Engineering InfoCenter IQENGINEER

Use the IQuest Engineering InfoCenter as an online reference tool to find information such as engineering research, mathematics materials, physics and aerospace. InfoCenter databases provide access to information extracted from published sources such as journals, books and government publications about engineering. \$

### IQuest Medical InfoCenter IQMEDICINE

Use the IQuest Medical InfoCenter as an online reference tool to find information such as medical practice, research, pharmaceutical news and allied health studies. InfoCenter databases provide access to information extracted from published sources such as journals, books and government publications about health and medicine. \$

### Journalism Forum JFORUM

Journalism Forum serves the professional journalist with a variety of services and specialized data libraries. Journalism Forum offers separate data libraries for radio, TV, print and photo/video journalists. In addition, there are data libraries dedicated to jobs listings, freelance opportunities, equipment exchanges, commentary and a listing of names and phone numbers of proven resources. +

### Legal Forum LAWSIG

If you are an attorney, corrections officer, paralegal or lay person interested in the law, the Legal Forum is for you. Topics such as copyrights, bankruptcy, software/hardware for the law office, pros and cons of polygraph tests, fingerprinting children and other law-related subjects are debated. +

### Media Newsletters MEDIANEWS

Media Newsletters offers the full text of articles from several of the leading newsletters covering the broadcasting and publishing industries. The articles provide facts, figures, analysis and current information on changing market and company conditions, company activities, new products and technologies, and government policies and trade agreements. The title, newsletter name, publisher and date of publication are provided with each text. \$

### Media Services MEDIA

This section contains the services for people in media including broadcasting, marketing and engineering.

### Office Automation Support Forum OAFORUM

Whether your office is highly or only partly computerized, join the Office Automation Support Forum to discuss the trends, opportunities and benefits of office automation. Obtain support from many vendors specializing in accounting, tax systems or obtaining the "paperless office." Vendors such as Dayo Software, FranklinQUEST and MicroBiz can be reached through this forum. +

### PR and Marketing Forum PRSIG

The Public Relations and Marketing Forum provides a special interest group for professional communicators such as public relations, marketing and communications directors or those holding related jobs in the public and private sector. The data libraries cover a wide variety of topics as they relate to PR including government, education, public affairs, financial institutions, consumer affairs, computers, high tech, health/social services and PRSA. The teleconferences enable a member to communicate with recognized communications experts. In addition, the forum may be used to establish meetings by members for specific reasons. +

### Related Topics

#### Computer and Software Support

Autodesk Forums AUTODESK  
CADD/CAM/CAE Vendor Forum CADDVEN  
Canopus Forum CANOPUS  
Desktop Publishing Forum DTPFORUM  
EETNet Forum EETNET  
Engineering Automation Productivity Forum LEAP  
Hardware Forums HARDWARE  
MIDI Forums MIDI  
Software Forums SOFTWARE

#### Electronic Mail/Shopping

The Electronic Mall MALL  
— See Books/Periodicals  
Computer Hardware/Supplies  
Computer Software  
Merchandise/Electronics  
Office Supplies/Business Services

#### Investing and Finance

Business Dateline BUSDATE  
Financial Forums FINFORUM  
Market Quotes/Highlights QUOTES  
Tenderlink TENDERLINK  
TRW Business Profiles TRWREPORT

#### News, Weather, Sports

Newspaper Library NEWSLIB  
NWS Aviation Weather AWX  
Weather Maps MAPS

#### Personal Interests and Hobbies

Cancer Forum CANCER  
CCML AIDS Articles CCMLAIDS  
Diabetes Forum DIABETES  
Earth Forum EARTH  
Health/Fitness Forum GOODHEALTH  
HealthNet HNT  
Masonry Forum MASONRY  
Military and Veterans Forum MILITARY  
Model Aviation Forum MODELNET  
Music and Performing Arts Forum MUSICARTS

#### Reference Library

Biz\*File BIZFILE  
Book Review Digest BOOKREVIEW

### Rotarians Online Forum ROTARY

Rotarians across the United States can communicate and exchange ideas in the Rotarians Online Forum. This forum, sponsored by the International Computer Users Fellowship of Rotary (ICUFR), provides opportunities to discuss the wide variety of services in which the Rotary is involved. Forum members discuss special projects and various club, vocational, community and international service activities. Non-rotarians are also welcome to join in the discussions and learn more about Rotary. +

### Safetynet SAFETYNET

Safetynet is the gathering place for law enforcement officials, firefighters and emergency medical professionals. Those concerned about safety-related issues in their community should join the Safetynet Forum for discussions on timely issues such as chemical and environmental hazards, consumer products, OSHA and law enforcement. Members of safety forces trade on-the-job stories and provide one another with support and information about seminars and workshops. +

### Working from Home Forum WORK

The Working from Home Forum unites those who work from their homes with others who are in similar circumstances. It allows a member to exchange information, make contacts, share resources and solutions to problems, meet other members and keep up to date on the latest home/office management tips, resources, laws, tax benefits and marketing approaches. +

British Trade Marks UKTRADEMARK  
Business Database Plus BUSDB  
CENDATA The Census Bureau Service  
CENDATA  
Commerce Business Daily COMBUS  
Computer Database Plus COMPDB  
Computer Directory COMPDIR  
Data-Processing Newsletters DPNEWS  
Dissertation Abstracts DISSERTATION  
Entrepreneur's Business Franchise  
and Opportunities Database EBF  
Health Database Plus HLTDB  
Information USA INFOUSA  
IQuest IQUEST  
Legal Research Center LEGALRC  
Magazine Database Plus MAGDB  
Marketing/Management Research Center  
MGMTTC  
Marquis Who's Who BIOGRAPHY  
NORD Services NORD  
PaperChase PCH  
Patent Research Center PATENT  
Peterson's College Database PETERSON  
Physician's Data Query PDQ  
Prentice Hall Computer Publishing PHCP  
PsycINFO — Psychological Abstracts PSYCINFO  
TRADEMARKSCAN TRADERC  
UK Marketing Library UKMARKETING  
**Special Interest Groups — Forums**  
Education Forum EDFORUM  
Foreign Language Forum FLEFO  
Human Sexuality Databank and Forums HUMAN  
IBM Special Needs Forum IBMSPECIAL  
Science/Math Education Forum SCIENCE  
**Travel**  
Air Information/Reservations FLIGHTS  
EAASY SABRE SABRE  
EAASY SABRE (CIM) SABRECIM  
Hotel Information HOTELS  
OAG Electronic Edition Travel Service OAG  
WORLDSPAN Travelshopper WORLDSPAN  
WORLDSPAN Travelshopper (CIM) WORLDICIM



# Reference Library

This section offers an extensive reference library that enables you to gather vast amounts of current and historical information quickly and efficiently. The section includes large databases comprised of demographic information; articles from periodicals; directories of products, manufacturers, and households; trademark and legal information; government proceedings, information and statistics; consumer information; and newsletters.

## Academic American Encyclopedia ENCYCLOPEDIA

The online edition of Grolier's Academic American Encyclopedia is filled with the latest in science, technology, politics, business, law, the arts and social sciences as well as the whole range of historical data associated with a top-ranked encyclopedia. This is a general reference source of over 33,000 articles and ten million words that is updated and revised four times a year.

## American Heritage Dictionary DICTIONARY

The American Heritage Dictionary database contains over 200,000 word definitions, place descriptions, and people biographies. Often the definition will contain synonyms, antonyms and usage notes. Search the database by entering the word, and if the spelling is unknown, enter the first five characters.

## Biz\*File BIZFILE

Need the number of a florist in Miami or a list of seafood stores in Halifax, Nova Scotia? Put away those cumbersome yellow books and GO BIZFILE for access to over 10 million U.S. and Canadian business establishments. Each business is listed by business name, address, telephone number and length of time it has been listed in the yellow pages. You can search the database by company name and geographical location, by telephone number or by type of business. Available 24 hours a day. \$

## Book Review Digest BOOKREVIEW

Book Review Digest provides references to fiction and nonfiction English language books. Reviews are drawn from American, Canadian and British periodicals covering general and social sciences, humanities and general reference. The digest maintains a full citation and abstract for each book. \$

## Books in Print BOOKS

Books in Print enables you to find books distributed in the U.S. for single- or multiple-copy purchase, books currently in print, books to be published in the next six months, and books which went out of print or out of stock in the last two years. You can search by subject, author and title and find information such as: author, title, publisher, date of publication, edition, binding (such as paperback), list price and subject. \$

## British Trade Marks UKTRADEMARK

The British Trade Marks database contains information on trademarks in the United Kingdom. Updated weekly, the British Trade Marks database contains all registered trademarks and pending applications, as well as lapsed trademarks and applications since 1976. The records include the trademark name, design description (graphical displays not available), owner name and address, type of product or service, international class numbers and the date and status of the application. \$

## Business Database Plus BUSDB

Keep current in your field without trips to the library or subscribing to scores of periodicals. Business Database Plus is a service that lets you search for and retrieve full-text articles from more than 500 regional, national and international business publications. Articles from more than 550 specialized business newsletters that often focus on specific industries or geographic locations can also be found. You can also use a variety of search methods to locate articles on sales and marketing ideas, product news, industry trends and analysis. For additional articles, access Magazine Database Plus (GO MAGDB), Computer Database Plus (GO COMPDB) and Health Database Plus (GO HLTDB). \$

## Business Demographics BUSDEM

Business Demographics Reports are designed to help businesses analyze their markets. Two types of reports are available by various geographical units (including Zip Code, county, Arbitron TV Markets and Nielsen TV Markets). The Business to Business Report details all major business categories (as represented by SIC codes) by number of employees and state percentage. The Advertisers Service Reports provide employee counts and number of establishments by employee size for retail trade businesses. \$

## CENDATA The Census Bureau Service CENDATA

Now at your fingertips, the Census Bureau offers its data on manufacturing, housing starts, population, agriculture and more to CompuServe members. CENDATA lists tabular data and reports from the censuses conducted by the Census Bureau including the 1990 Census of Population. Some of the data have been condensed into reports that are available on CENDATA and answer specific questions such as "How many bookstores are in Franklin County, Ohio?" and "What are the occupations with major employment gains for women?" CENDATA also has the latest press releases from the Census Bureau. It even lists the Census Bureau representative in your state. +

## Commerce Business Daily COMBUS

The Commerce Business Daily is a database that includes the full text of U.S. Commerce Department publications listing all significant

- ▶ Federal contracts
- ▶ Requests for proposals
- ▶ Other data related to government contracts.

It is comprised of listings from the Commerce Business Daily, published by the U.S. Commerce Department, and from "DMS Bluetops," published by the Office of the Assistant Secretary of Defense. The database is updated daily and includes only listings from the most recent 90 days. Listings available include a summary of each contract/procurement, the name of the contracting agency, the "Section Heading" or category of the needed product/service, and the date the text was issued. \$

## Computer Database Plus COMPDB

The computer industry changes daily and no one can keep up with all the new changes, right? Wrong. Computer Database Plus is a comprehensive collection of computer-related abstracts and/or full text from leading computer industry publications covering hardware, software, electronics, engineering, communications and technology applications. Computer Database Plus includes over 230 magazine, newspaper and journal titles including *PC Magazine*, *Byte*, *Digital Review*, *MacUser*, *PC Week*, *PC World* and *Communications of the ACM*. Coverage for most titles starts with 1987. Search the over 370,000 articles by subject, company name, product name, featured people, publication name and publication date. Updated weekly. \$

## Computer Directory COMPDIR

Computer Directory provides information on over 74,000 computer-related products and more than 13,000 manufacturers. Hardware, software, peripherals and data communications and telecommunications equipment products are covered. Product information includes the manufacturer's name, key specifications, compatibility information and pricing data. Company listings include address, telephone numbers (including toll-free and fax numbers when available), annual sales figures, top executives, number of years in the business and types of products manufactured. \$

## Consumer Reports CONSUMER

Before you buy a new car, camera, VCR or other big-ticket item, check it out in Consumer Reports. Automobiles, appliances, electronics/cameras and products for the home are all covered. Easy-to-use reports provide the features to look for, brand ratings and recommendations from Consumers Union. The Automobiles feature allows you to select cars by size, reliability and other important characteristics. Most reports appeared in Consumer Reports magazine within the last two years. Reports are added monthly.

## Consumer Reports Complete Drug Reference DRUGS

Find information about prescription and over-the-counter medicines written in everyday language in the Consumer Reports Complete Drug Reference as compiled by the U.S. Pharmacopeia. The database contains over 700 entries, each covering a generic drug or a drug family. Each entry contains a description of the drug, what you need to know before use, the proper use, precautions and side effects of the medicine. Searches are done by entering the common, generic, or brand name of the drug. The database is updated quarterly.

## Data-Processing Newsletters DPNEWS

Data-Processing Newsletters is a searchable database providing the full text of articles taken from several of the leading newsletters covering the computer, electronics and telecommunications industries. It gives facts, figures, analysis and current information on changing market and company conditions, company activities, new products and technologies, government policies and trade agreements. \$

## Demographics DEMOGRAPHICS

This section enables you to obtain demographic information for any area of the United States. Information includes the population as well as the income, age and race of the residents. The data is based on the 1990 Census and current year and five-year forecasts.

## Dissertation Abstracts DISSERTATION

Dissertation Abstracts provides information on dissertations for academic doctoral degrees at accredited U.S. institutions since 1861, selected masters theses, and dissertations accepted at Canadian and many other non-U.S. institutions. Information on each database entry includes the author, title, date of publication, and the college and degree for which the dissertation was submitted. Abstracts are available online for dissertations added to the database after July 1980. \$



## Entrepreneur's Business Franchise and Opportunities Database EBF

Find information about franchising and business opportunities in *Entrepreneur* magazine's Business Franchise and Opportunities Database. Based on the magazine's annual "Guide to Franchise and Business Opportunities," the database provides a description of franchising and business opportunities throughout the United States. With each description is the company name, address, phone numbers and contact names. The opportunities are searchable by line of business or by the individual company name. Visit *Entrepreneur* magazine's Small Business Forum (GO USEN) to ask questions of or talk with representatives from *Entrepreneur* magazine. +

## ERIC - Education Research ERIC

The Educational Resources Information Center (ERIC) database contains abstracts of articles covering all aspects of education, including vocational education, counseling, teacher education and testing. Information extends back to 1966 and is updated monthly. There are two subfiles within ERIC: the Resources In Education (RIE) file and the Current Index to Journals in Education (CIJE) file. The RIE subfile contains research/technical reports, conference papers and proceedings, program descriptions, opinion papers, bibliographies, reviews, dissertations, teaching and curriculum materials, lesson plans and guides. The CIJE subfile contains abstracts of articles from 750 education related professional journals. The information available in each article can include the author, title, source publication, publication year and an abstract of the article. ERIC is published by the U.S. Department of Education. \$

## Government Information GOVERNMENT

This choice gives you a menu of information on government services and publications.

## Government Publications GPO

There are two basic parts to this program. The first is a catalog of government publications, books and subscription services. In addition to providing ordering information, any CompuServe Member with a valid MasterCard or VISA can order online any publication handled by the Government Printing Office. The orders are compiled and forwarded directly to the Government Printing Office at least once a week and more frequently as volume dictates. The second part has online consumer information articles from government publications including articles on personal finance, health and fitness, automotive topics, food preparation and storage, parent and child, energy conservation and consumer notes. The entire database is updated weekly or as important changes occur. +

## Health Database Plus HLTD

Health Database Plus provides information from consumer and professional health, nutrition and fitness publications. The database makes available the full text of articles from selected non-professional journals published after January 1989, including *Food and Nutrition*, *Health and Psychology Today*. Many synopses with author abstracts are available for articles published in technical and professional journals after June 1989, including *Patient Care*, *RN* and the *New England Journal of Medicine*. The full text of health related articles taken from a variety of consumer publications since 1983 are also generally available. \$

## Information USA INFOUSA

Information USA contains three sections which provide access to free or nearly free government publications:

- ▶ How would you like a birthday greeting from the President? Biking and hiking maps from the National Park Service? Information USA tells you how to use the free or nearly free government publications and services that are available. It explains the art of obtaining information from bureaucrats and gives other helpful information when dealing with the government.
- ▶ Information USA/International lists American Embassies and consulates, potential health hazards and passport information available from the State Department. Travelers benefit from booklets on the cost of living overseas, customs, language materials, schools and hospitals.
- ▶ Information USA/Travel has information available on favorite pastimes such as diving, hiking, camping or visiting historical sites.

Information USA was extracted from the reference book of the same name written by Matthew Lesko. +

## IQuest IQUEST

IQuest, CompuServe's online information retrieval service, provides easy access to more than 850 databases from companies such as Dialog Information Services Inc., BRS Information Technologies, NewsNet Inc., Data-Star, ORBIT Search Service, H.W. Wilson Company, FT Information Online, Ltd., G. Cam-L'Europeenne De Donnees, Questel Inc. and VU/TEXT Information Services Inc. All types of information are included. From scholarly to popular press, business-related to the obscure, IQuest is the most comprehensive source of online information anywhere. IQuest contains fully indexed historical data and is updated electronically each day. Both bibliographic and full-text documents are available. Source materials include magazines, newspapers, indexes, conference proceedings, directories, books, newsletters, government documents, dissertations, encyclopedias, patent records and reference guides. All IQuest databases are accessible via the same easy-to-use, menu-driven format. No training is required. IQuest offers three simple ways to retrieve information:

- ▶ IQuest-I will choose the appropriate database once a member has selected a topic
- ▶ IQuest-II allows a member to go directly to a specified database
- ▶ Smart-SCANS search multiple databases.

Online real-time help is available in IQuest by typing SOS. \$

## KNOWLEDGE INDEX KI

KNOWLEDGE INDEX enables you to access over 50,000 journals through more than 100 full text and bibliographic databases available through Dialog. KNOWLEDGE INDEX provides access to three types of databases: bibliographic, full text and directory. Search the databases with commands or through menu options; you need to know only the database names and the search terms. Often you can retrieve the full article; otherwise you can arrange to have the full text sent to you. This service is accessible evenings and weekends only. \$

## Legal Research Center LEGALRC

The Legal Research Center provides access to seven databases containing

- ▶ Indices to articles from more than 750 law journals
- ▶ Indices to publications, studies, and other sources covering practical and theoretical aspects of criminal justice, criminology and law enforcement
- ▶ Summaries of legislative, regulatory, judicial and policy documents covering federal taxation; major legal issues in banking and finance
- ▶ Indices to child abuse information sources.

Databases included are American Banker Full Text, Child Abuse and Neglect (published by the U.S. Department of Health and Human Services), Congressional Information Services, Criminal Justice Periodical Index, Legal Resource Index, National Criminal Justice Reference Service (published by the U.S. Department of Justice) and Tax Notes Today. \$

## Magazine Database Plus MAGDB

Find full-text magazine articles from more than 130 publications in Magazine Database Plus. This valuable research tool offers many advantages over your local library because the Database gives you six different methods of finding an article; magazines cannot be vandalized, and you don't have to leave the comfort of your own home or office. For additional online magazine articles, see Business Database Plus (GO BUSDB), Computer Database Plus (GO COMPDB) and Health Database Plus (GO HLTD). \$

## Magill's Survey of Cinema MAGILL

Magill's Survey of Cinema provides a database of in-depth articles covering films released since 1902. Database entries can contain the film title, information about its release date, country of release, cast, credits, Motion Picture Association of America rating, running time and production studio. The plots and significant influences are extensively summarized and discussed. \$

## Marketing/Management Research Center MGMTRC

The Marketing/Management Research Center offers access to nine databases containing

- ▶ Indices and full text of major U.S. and international business, management and technical magazines
- ▶ Indices to market and industry research reports, market studies and statistical reports
- ▶ U.S. and international company news releases.

Conduct marketing and management research using key word searches in databases such as ABI/INFORM, Findex, FINIS, Industry Data Sources, Infomat International Business, McGraw-Hill Publications Online, PTS MARS, PTS New Product Announcements and PTS PROMT. \$

## Marquis Who's Who BIOGRAPHY

The Marquis Who's Who database provides information on key North American professionals, obtained primarily directly from the subject. The information includes the subject's name; occupation; date and location of birth; name of spouse and names of parents and children; education; positions held during career; civic, military and political activities; memberships; awards; and other organizational affiliations. \$



## Neighborhood Report NEIGHBORHOOD

The Neighborhood Report provides a summary of the demographic makeup of any Zip Code in the United States. Population, race and age breakdowns are displayed on the report as well as the household income distribution, the types of households and the occupations of the residents of the neighborhood. Housing patterns for the neighborhood are also examined with the status of occupied housing, average home value and rent, and the age of housing structures shown on the report. With the Neighborhood Report prospective home buyers or apartment dwellers can research areas to which they are considering moving. Similarly, home sellers can determine the most favorable selling points of their current Zip Code. An 80-column printer is needed for printing reports. Updated annually. \$

## New Car Showroom NEWCAR

New Car Showroom is a comparison shopping guide for consumers making new vehicle purchases. You can examine and compare features and specifications of passenger cars, trucks, vans and special-purpose vehicles. Over 500 foreign and domestic cars and trucks are compared by prices, standard and optional features and technical specifications, such as fuel economy and roominess. You can also calculate your monthly payments after you have selected a vehicle. \$

## NORD Services/Rare Disease Database NORD

The NORD Services/Rare Disease Database provides the member with current and accurate information on rare disorders and diseases. Some topics covered include AIDS research, education for handicapped children and information on digestive disease research centers. Members also have access to biomedical literature through MEDLINE and can communicate with other members on various subjects. In addition, a NORD newsletter is available which explains NORD and presents news on the latest rare disease updates and facts. Through NORD's networking program, people with the same orphan disorder can be linked together for mutual support. +

## NTIS-Government Sponsored Research NTIS

National Technical Information Service offers a database of references to articles from government-sponsored research, development and engineering reports. Information available on each article can include the title, author, corporate source, sponsor, report number, publication year, contract number and abstract. The database is updated every two weeks and includes information from 1970 to the present. \$

## PaperChase PAPERCHASE

PaperChase gives access to MEDLINE, the National Library of Medicine's database of references to biomedical literature. Included are over 7 million references from 4,000 journals which date from January 1966 through the present. \$

## Patent Research Center PATENT

The Patent Research Center provides access to databases containing:

- ▶ Summaries of U.S. patents granted in chemical, mechanical, electrical and design categories
- ▶ Summaries of patents granted internationally.

Conduct research on patents listed in the Claims/U.S. Patent Abstracts (1950 to present) and the World Patents Index (1963 to present). \$

## Peterson's College Database PETERSON

Peterson's College Database offers the member a comprehensive database that contains detailed descriptions of over 4,000 accredited or approved U.S. and Canadian colleges that grant associate and/or bachelor degrees. Members may search colleges by characteristics or college name/location. The guide will also give you in-depth information about specific aspects of any college you choose.

## Phone\*File PHONEFILE

Want to find your college roommate or a long lost relative? Phone\*File contains the names, addresses and phone numbers of more than 75 million US households. Relatives and friends across the nation are easy to find by searching the database by name and address; surname plus state, city and zip code or telephone number. Phone\*File can be a cost-effective way of acquiring addresses and phone numbers. \$

## Physicians Data Query PDC

Physicians Data Query accesses four databases published by the National Cancer Institute. One database contains material written for the lay person covering more than 80 cancer types, providing information on treatment alternatives, stage expectations and general prognoses. Another is written for health care providers, making current information on most major cancers available, such as prognosis, stage-of-growth classifications with treatment options and extensive bibliographies for further research. A directory database contains organizational and physician listings, with names, addresses and other information provided for cancer centers, programs and specialists. A protocol database contains the treatment and medications used for different cancers. \$

## Prentice Hall Computer Publishing Forum PHCP

Prentice Hall, publishers of a variety of computer books and software, provides the Prentice Hall Computer Publishing Forum to answer questions about its products and provide downloadable files for technical support. Prentice Hall products are published under names such as Que, Brady, Alpha Books, Hayden Books, Sams Publishing and New Riders Publishing (NRP). Que Software and Paramount Interactive are also supported in this forum. +

## PsycINFO—Psychological Abstracts PSYCINFO

The PsycINFO database provides abstracts of articles from international literature in psychology and behavioral sciences. The articles cover applied, developmental, general and experimental psychology, communications systems, education, personal and professional issues, psychometrics, treatment and prevention, social processes and issues and more. Information on each article can include the authors, title, journal name, language, date of publication and abstract. The database is published by the American Psychological Association. \$

## SUPERSITE SUPERSITE

SUPERSITE demographic information from CACI is available for the entire U.S. and every state, county, SMSA, Arbitron TV Market (ADI), Nielsen TV Market (DMA), Place, Census Tract, Minor Civil Division (MCD) and geometric definition by circle and Zip Code in the United States. Demographic reports are provided covering general demographics, income, housing, education, employment and current and five-year forecasts. Each report in SUPERSITE is surcharged, and you will be shown the cost of your requested reports before they are run to give you the opportunity to abort the run before incurring any surcharges. An 80-column printer is needed for printing reports. Sample reports are available at no surcharge. Updated annually. \$E

## TRADEMARKSCAN TRADERC

Trying to come up with a new trademark? TRADEMARKSCAN enables you to scan for existing and pending trademark registrations in all 50 states, plus Puerto Rico. The service consists of two databases. The U.S. Federal database provides access to over one million records filed with the US Patent and Trademark Office and is updated two times a week. The U.S. State database contains trademark registration information from the Secretary of States' offices throughout the country. \$

## UK Marketing Library UKMARKETING

UK Marketing Library databases contain market research reports compiled by top marketing analysts. The information is gathered from a variety of sources and includes reports from the ICC Key Note series, Marketing Surveys Index, Mintel Research Reports and Mintel Special Reports and MSI Market Research Reports. Most databases provide full-text articles and are updated regularly. \$

## US-State-County Reports USSTCN

The US-State-County Demographic Profiles provide summaries of the demographic makeup of the entire United States, any state or county. The profile gives population data, race and age breakdowns, household income distribution, types of households and occupations of residents in the defined area. In addition, the status of occupied housing, average home value and rent and the age of housing structures are reported. The US-State-County Profiles carry a surcharge per report. With these reports you can compare a Zip Code report, generated by the Neighborhood Report, to its county or state. An 80-column printer is needed for printing reports. Updated annually. \$

## Related Topics

### Computer and Software Support

Hardware Forums HARDWARE  
Software Forums SOFTWARE

### Electronic Mail/Shopping

The Electronic Mall MALL  
— See Auto/Boat/RV  
Books/Periodicals

### Investing and Finance

Australian/New Zealand Company Library ANZCOLIB  
Company Information COMPANY  
Corporate Affiliations AFFILIATIONS  
D&B Dun's Electronic Business Directory DYP  
European Company Library EUROLIB  
FundWatch Online MONEYMAG  
German Company Library GERLIB  
International Company Information COINTL  
IQINT — Company Information IQINT  
UK Company Library UKLIB

### News, Weather, Sports

AIDS News Clips AIDSNEWS  
AP Online APO  
Executive News Service ENS  
Global Crises Forum CRISIS  
NewsGrid NEWSGRID  
Newspaper Library NEWSLIB  
Roger Ebert's Reviews & Features EBERT  
Soviet Crisis News Clips SOVNEWS  
UK News Clips UKNEWS  
UK Newspaper Library UKPAPERS

### Personal Interest and Hobbies

AIDS Information AIDS  
Handicapped Users' Database HUD  
HealthNet HNT

### Professional Interests

Journalism Forum JFORUM  
Legal Forum LAWSIG

### Special Interest Groups (Forums)

Consumer Electronics CEFORUM  
Educational Research Forum EDRESEARCH  
Human Sexuality Databank and Forums HUMAN  
Space/Astronomy Forums SPACE



## Astronomy Forum ASTROFORUM

Amateur or professional stargazers can join cosmic forces with fellow astronomers from around the world. Beginners with a universe of questions can learn about hardware or techniques. Professionals can take advantage of the Astronomy Forum to rapidly disseminate information among colleagues. Members of all levels can learn about national or international special events of interest. Archives contain public domain astronomy software, quality reference articles and many vivid GIF graphic images. +

## Consumer Electronics Forum CEFORUM

The Consumer Electronics Forum is dedicated to exchanging information about electronic consumer products such as VCRs, telephone answering machines, compact disk players and even earth station equipment. The forum features articles, reviews, new products and news in its data libraries. You can get answers for your questions and discuss the latest issues facing this industry. Special interactive online conferences feature guests from manufacturers such as Sony, Pioneer and Panasonic. +

## CyberForum CYBERFORUM

Are you excited or just curious about the outlook of computing? Do you have opinions about the direction it is heading? Then enter CyberForum and discuss the future of various topics ranging from virtual reality to "nanotechnology." Chat about how computers will affect fields such as science, the arts, literature and society. Join one of the workgroups to share your ideas about interfaces, programs or concepts that could be implemented today or in the near future. +

## Democratic Forum DEMOCRATS

Politics and policies are on the agenda in the Democratic Forum. The forum, overseen by the Democratic National Committee, is dedicated to providing information and encouraging conversation about Democratic politics. The forum enables citizens to discuss the latest happenings and decisions. From the library, download a variety of papers and publications, from press releases, to speeches, to a calendar of events. Information is provided by organizations such as the Democratic Senatorial Campaign Committee and the College Democrats of America. +

## Dinosaur Forum DINO

Dino lovers, scholars and fans of those prehistoric creatures can expand their knowledge by interacting with some of the world's most notable scientists and paleontologists in the Dinosaur Forum. Devoted to dinosaurs, the forum offers learning games, activities and information on recent discoveries and on museum events. The libraries contain exciting graphics, expedition reports and information about such organizations as Dinamation International, Dinosaur Society and Dinosaur Club. +

## Education Forum EDFORUM

The Education Forum is designed to meet the diverse needs of people involved in the teaching and learning process. This includes teachers, parents, students, faculty members and other professionals in the education field. The increasing use of microcomputers and other high technologies in our schools and homes has been a natural topic of discussion in this forum. +

## Educational Research Forum EDRESEARCH

The Educational Research Forum is for people who are interested in research about the process and products of education. Through the forum, the latest research findings are shared and compared, and a dialogue is established between researchers and educators in the schools. The forum is sponsored by the American Educational Research Association. +

# Special Interest Groups (Forums)

This section contains forums for a variety of special interests such as education, aviation, computer art, astronomy and entertainment.

## The Electronic Frontier Foundation Forum EFFSIG

The EFF Forum enables people to share facts and opinions about issues concerning computer-based communication. Popular topics of discussion among the members of this forum include policy, social concerns and innovation. +

## Foreign Language Forum FLEFO

The Foreign Language Forum provides a service to both general and specific interests in the area of foreign languages and foreign language learning. It includes

- Conferences
- A job bank for translators, educators and students
- Information on legislation and factors influencing the foreign language profession
- A list of professional organizations. +

## Holistic Health HOLISTIC

Holistic health stresses whole-person preventive measures focusing on natural medicines and techniques. Innovative health measures and tips in areas such as vitamins, minerals, herbs, plants, massage and exercise help individuals find the best combination of natural medicines for themselves. You can also learn more about the Mind/Body Link, health education and health politics. The libraries contain product literature and software from companies involved in the natural products industry. +

## Human Sexuality Databank and Forums HUMAN

Human sexuality questions and problems are answered in an informative manner. Special features include articles on social skills, dating, relationships and sexual problems. Experts answer questions on a variety of topics. Two forums are available for members to share their feelings, experiences and relationships with others in a warm, supportive environment. +

## IBM Special Needs Forum IBMSPECIAL

As a teacher, parent or student, do you or someone you know have special learning needs? If so, visit the IBM Special Needs Forum which addresses all aspects of special education — from education of the handicapped to bilingual and vocational education, from K-12 to adult literacy programs. The forum includes information on and support of IBM educational programs such as Write to Read, Listen to Learn and PALS, and emphasizes software and hardware for IBM-compatible machines. +

## Issues Forum ISSUES

Meet here with other members and exchange ideas on social and cultural issues. Included are sections for African American issues, Hispanic issues, Asian issues, Native American issues, ethics/human rights, parenting, paranormal issues and more. A number of regularly scheduled conferences are held. +

## JFK Assassination Forum JFK

Serious researchers and amateurs are invited to discuss all aspects of the assassination of President John F. Kennedy and the resulting theories surrounding that tragic event. +

## Political Debate Forum POLITICS

Here is where the politically aware (and those wishing to become aware) can meet to debate candidates and issues. There are sections for independent groups, individual liberty, conspiracy theories and more. Diverse organizations such as Common Cause, The League of Women Voters and Empower America participate in the forum. +

## Religion Forum RELIGION

The Religion Forum is designed for people who like to share discussions, opinions and information, as well as ask questions on topics that relate to religion. Forum members may meet new friends while expanding their theological horizons. +

## Science/Math Education Forum SCIENCE

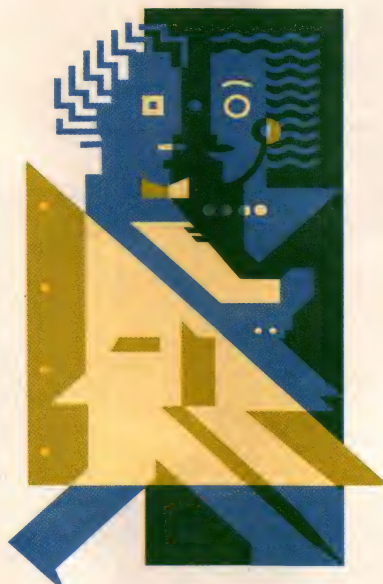
This forum serves a variety of needs for science educators, students and others with interests in science and science education. It includes a large data library of software that can be downloaded into class and home computers. Plus, this forum contains practice problems for science and math college boards. +

## Seniors Forum SENIORS

If you are a senior (or even a pre-senior) or if you enjoy the company of those with lots of life experience, join the Seniors Forum. Discussion sections include retirement, social security, memories, grieving and health. Also, you can download articles and information from the libraries on a variety of topics ranging from relationships to legislation affecting senior citizens. +

## Showbiz Forum SHOWBIZ

There's no business like show business, and it's everybody's business in the Showbiz Forum. Share information and opinions with other members about your favorite movies, plays, celebrities and television shows. Keep informed of which movies are box-office hits, and, through the message board, you may even meet a future celebrity. +





## Soap Opera Summaries SOAPS

What did Erica do to Brooke? What did Frankie say to the DA? And who was in bed with Phillip? If you care about any of these questions, you should check out the Soap Opera Summaries. In addition to daily summaries, you will learn what is happening in real life to your favorite stars, cast lists, where to write to soap stars and fan club news.

## Space/Astronomy SPACE

If you like to ponder the secrets of the stars or are involved with the more practical aspects of astronomy and space education, explore the different parts of the Space/Astronomy. Find up-to-date sunspot and solar flare information in the American Sunspot Program. Find space shuttle status reports, reports on manned and unmanned missions, launch schedules, payload manifests, annual reviews of NASA's activities and accomplishments, and an archive of the spinoffs of space technology in the NASA News and Information section and hundreds of GIF graphic images. Also access Sky and Telescope Online, the electronic news service of *Sky & Telescope* astronomy magazine. +

## Space Forum SPACEFORUM

Space Forum is for members interested in all aspects of space exploration, travel, research, colonization, research and development and related activities. NASA news releases are posted regularly in this forum. +

## Students' Forum STUFO

The Students' Forum is popular with students who want to share their ideas and interests with other students around the world. Teachers exchange ideas using the forum. +

## White House Forum WHITEHOUSE

How is the Clinton administration doing? Here you can discuss the pros and cons of our executive branch. Topics of concern, such as the economy, the trade deficit, defense, education, social security and international affairs are debated. The libraries contain only files provided by the Office of Media Affairs for the White House: daily press briefings, the President's schedule and his speeches and comments at a variety of meetings and presentations. +

## Related Topics

### Communications

CB Forum CBFORUM

### Computers and Software Support

All-Music Guide Forum AMGPOP  
Autodesk Forums AUTODESK  
Borland International BORLAND  
Desktop Publishing Forum DTPFORUM  
Dr. Dobb's Journal DDJ  
DTP Vendor Forum DTPVENDOR  
European Forum EURFORUM  
Graphics Forums GRAPHICS  
Hardware Forums HARDWARE  
Javelin/EXPRESS Forum IRIFORUM  
LOGO Forum LOGOFORUM  
MIDI Forums MIDI  
Music Vendor Forum MUSICVEN  
Newton/PIE Forum NEWTON  
Sight and Sound Forum SSFORUM  
The World of Lotus LOTUS

### Electronic Mail/Shopping

The Electronic Mail MALL  
— See Books/Periodicals  
Computer Hardware/Supplies  
Computer Software  
Hobbies/Toys/Pets  
Merchandise/Electronics  
Sports/Fitness/Health

### Games

Games Forums GAMES

### Investing and Finance

Calculating Personal Finances FINTOL  
Investors' Forum INVFORUM  
NAIC Forum NAIC

### News, Weather, Sports

Executive News Service ENS  
Florida Today Forum FLATODAY  
Global Crises Forum CRISIS  
Motor Sports Forum RACING  
Outdoors News Clips OUTNEWS  
Roger Ebert's Reviews & Features EBERT  
Soviet Crisis News Clips SOVNEWS  
Sports Forum FANS

### Personal Interests and Hobbies

Aquaria Fish Forums FISHFORUMS  
Art/Music/Literature ARTS  
The Attention Deficit Disorder Forum ADD  
Automotive Information AUTO  
Bacchus Wine Forum WINEFORUM  
Collectibles Forum COLLECT  
Comics/Animation Forum COMICS  
Cooks Online COOKS  
Crafts Forum CRAFTS  
Disabilities Forum DISABILITIES  
Earth Forum EARTH  
Gardening Forum GARDENING  
Genealogy Forum ROOTS  
HamNet (Ham Radio) Forum HAMNET  
Handicapped Users' Database HUD  
Health/Fitness HEALTH  
Humane Society of the United States Forum HSUS  
Literary Forum LITFORUM

Masonry Forum MASONRY  
Mensa Forum MENSA  
Military and Veterans Forum MILITARY  
Model Aviation Forum MODELNET  
Music and Performing Arts Forum MUSICARTS  
New Age Forum NEWAGE  
Outdoors Forum OUTDOORS  
Pets/Animal Forum PETS  
Pet Product/Reference Forum PETPRO  
Photography Forum PHOTOFORUM  
RockNet ROCK  
Sailing Forum SAILING  
Sci-Fi/Fantasy Forum SCIFI  
Scuba Forum DIVING  
TrainNet Forum TRAINNET  
Worldwide Car Network WCN

### Professional Interests

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Aviation Forum AVSIG  
Broadcast Professional Forum BPFORUM  
Computer Consultant's Forum CONSULT  
Computer Training Forum DPTRAIN  
Court Reporters Forum CRFORUM  
E-Span ESPAN  
Entrepreneur's Small Business Forum USEN  
European Community Telework Forum ECTF  
International Trade Forum ITFORUM  
IQuest Business Management InfoCenter IQBUSINESS  
IQuest Education InfoCenter IQEDUCATION  
IQuest Engineering InfoCenter IQENGINEER  
IQuest Medical InfoCenter IQMEDICINE  
Journalism Forum JFORUM  
Legal Forum LAWSIG  
Office Automation Forum OAFORUM  
PR and Marketing Forum PRSIG  
Rotarians Online Forum ROTARY  
SafetyNet SAFETYNET  
Working From Home Forum WORK

### Reference Library

Academic American Encyclopedia ENCYCLOPEDIA  
Book Review Digest BOOKREVIEW  
Books in Print BOOKS  
Consumer Reports Complete Drug Reference DRUGS  
Dissertation Abstracts DISSERTATION  
Entrepreneur's Business Franchise and Opportunities Database EBF  
Information USA INFOUSA  
IQuest IQUEST  
Magazine Database Plus MAGDB  
Magill's Survey of Cinema MAGILL  
Marquis Who's Who BIOGRAPHY  
Peterson's College Database PETERSON  
Prentice Hall Computer Publishing PHCP

### Travel

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Japan Forum JAPAN  
New York Newslink NEWYORK  
Recreational Vehicle Forum RVFORUM  
Travel Forum TRAVSIG  
UK Forum UKFORUM  
West Coast Travel WESTCOAST



## ABC Worldwide Hotel Guide ABC

The hotel guide provides an up-to-date comprehensive listing of over 25,000 hotel properties worldwide including location, local and toll-free telephone numbers, credit cards accepted, rates and facilities. You can search for hotels by city, hotel name, chain, rates, special services or amenities. Updated every three months. +

## Adventures in Travel AIT

Adventures in Travel contains travel articles covering all aspects of travel all over the world. Articles are written by travel writer Lee Foster and other professional travel writers. New articles appear every two weeks, and you can also read articles from previous weeks. Updated twice a month. +

## Air Information/Reservations FLIGHTS

Air Information/Reservations contains EAASY SABRE, EAASY SABRE (CIM), the Official Airline Guide Electronic Edition Travel Service, WORLDSPAN Travelshopper and WORLDSPAN Travelshopper (CIM). Each offers complete schedule and fare information for all commercial flights throughout the world. When using any of these products, you will be asked for your departure and destination cities and your date of travel. All systems offer reservations and ticketing options as well as other travel information.

## California Forum CALFORUM

Enjoy online sunshine with the California Forum! Join the daily happy hour or the weekly poolside chat in the forum's conference sections. Find out the latest happenings in every corner of California, from the redwoods to San Diego. Discuss politics, touring and sports with California natives and California lovers in the California Forum. +

## CompuServe Pacific Forum PACFORUM

Whether you are a resident, expatriate or lover of the lands down under, visit the CompuServe Pacific Forum to keep up to date with the latest news and happenings in Australia and New Zealand. Find out the best spots to visit, the latest sports results or the current job market, or catch up with what's happening in entertainment, business or politics. The libraries contain the latest sports results and details of things to see and do. +

# Travel

The Travel chapter provides you with air, hotel, car, tour and cruise information to help you plan and enrich your trips.

## Department of State Advisories STATE

The United States Department of State's Citizen Emergency Center maintains a continuously updated information service for Americans traveling abroad. Advisories and warnings cover conditions such as warfare, political unrest, hotel/motel shortages, currency regulations and other information of interest to the American traveler. Updated constantly by the Department of State.

## EAASY SABRE SABRE

EAASY SABRE, the travel reservation system from American Airlines, provides flight schedules for almost all commercial airlines, information on more than 45 million airfares and access to more than 27,000 hotels and 52 car rental agencies. You can use EAASY SABRE to find the fastest route to a destination, check weather reports and AAdvantage travel awards and take advantage of the lowest airfares with the Bargain Finder feature. After confirming airline, hotel and car reservations online, you can arrange to receive your tickets through a travel agency, city ticket office, corporate travel office, airport or by U.S. mail. AA online ticketing provides free overnight delivery. EAASY SABRE also offers a travel club called Travelers Access in which club members enjoy the lowest fares and hotel rates (money-back guaranteed), plus a 5% cash bonus on all bookings made through Travelers Access. Book flights, rent cars and reserve condo vacations, cruises and hotels. Save up to 25% on vacation travel and up to 65% on short-notice travel. Updated continually.

## EAASY SABRE (CIM) SABRECIM

EAASY SABRE has been CIMplified. Use the CompuServe Information Manager (CIM) to access EAASY SABRE and access flights, fares, hotel and car rental information and reservations. With CIM, you can easily scroll through pages of flights and fares. A Travel Profile is stored with your AAdvantage number to make reservations and flight searching easier. Use the powerful Bargain Finder feature to access the lowest fares available.

## Florida Forum FLORIDA

The Florida Forum allows residents, vacationers or anyone with an interest in Florida to share information about the sunshine state. You can talk with the residents to find out the best places to stay, eat or visit if you're planning a vacation. Find information on sporting and recreational activities or events/attractions of interest. Access the Disneymania section for topics about DisneyWorld such as cartoon characters, attractions and vacation packages. +

## Golf Guide Online GLF

To help plan your next golf getaway, consult Golf Guide Online. Golf Guide Online contains a comprehensive listing of more than 12,000 golf courses across the United States and over 1,200 golf resorts worldwide. It is compiled from three Lanier Publishing guides: *Golf Courses—The Complete Guide*, *Golf Resorts* and *Golf Resorts International*. For many courses, golf pros describe the par total yardage, challenging aspects of the course and the course rating as determined by the United States Golf Association. The guide also provides information on greens fees, reservations, pro shops and 19th hole restaurants and bars.

## Hotel Information HOTELS

This choice contains menu options for finding information on accommodations in the U.S. and around the world.

## Japan Forum JAPAN

Contribute to cross cultural communications in the Japan Forum. From sushi to sumo, discuss a variety of topics with expatriates or others who are knowledgeable about Japanese culture or history. The message area contains more than 15 sections, including sections devoted to business and industry, NIFTY-Serve, travel, and hardware and software issues. +

## New York Newslink NEWYORK

New Yorkers and visitors can have a link to the current happenings in and around the Big Apple in the New York Newslink Forum. The forum, an electronic extension of the daily Gannett Suburban Newspapers, provides discussion topics ranging from Off (or nearly off) Broadway to the New York Giants. Those in the northern counties of Westchester, Rockland and Putnam can discuss the hottest topics of their rapidly growing areas. +

## OAG Electronic Edition Travel Service OAG

Planning a trip? Connect to the source. The OAG ELECTRONIC EDITION Travel Service is your access point to a world of first-hand travel planning information. Access OAG and explore the following databases:

- ▶ Actual Airport Arrival/Departure/Gate Information - updated every 10 minutes for all airlines
- ▶ Worldwide Flight Information and Reservations
- ▶ Weather Information
- ▶ Lodging and Dining
- ▶ Worldwide Travel Facts
- ▶ Travel Industry News
- ▶ Currency Exchange Rates
- ▶ Frequent Flyer Program Information
- ▶ Cruises and Discount Travel Packages
- ▶ Travel File.

Make your travel reservations online and choose from a number of ticketing options. Updated continually. \$







### Recreational Vehicle Forum RVFORUM

Find out everything you ever wanted to know about the popular pastime of RV camping in the Recreational Vehicle Forum. All sorts of vehicles are discussed, including where and what to buy, where to obtain servicing, and accessories. Find out great (or not so great) places to stay, and what to do when you get there. Various RV clubs visit the forum to exchange ideas on events and campouts. A classified section provides a place to make your first purchase, or trade up to a larger model. +

### Travel Britain Online TBO.NLINE

Who's playing in London's West End Theatres? Where are the most popular pubs in London? Where and when are Britain's liveliest festivals? Answers to these and other questions can be found in Travel Britain Online. A database of events provides information on British festivals, exhibitions, shows and sports events. Users can also access a listing of some of London's best pubs and check out the latest tourist news on Travel Britain News.

### Travel Forum TRAVISG

The Travel Forum allows you to exchange travel stories, ideas and travel information with other forum members. Talk with others who have already been to your destination to find the best (or worst) restaurants and hotels. You can learn about the customs in foreign countries and other important information. You can also find out about destination spots, cruises, academic travel programs and rail travel. Leave questions for others or share your experiences. +

### UK Forum UKFORUM

The UK Forum focuses on a variety of UK cultural and social themes such as politics, sports, business, TV/film, hobbies, photography and UK travel. The forum includes the ever-popular "Rovers Return Pub," where members can participate in the kinds of forthright discussions associated with British pubs. +

### VISA Advisors VISA

VISA Advisors is a passport and visa expediting firm located in Washington D.C. providing visa and passport requirements and documents. They will assist you in visa and passport processing and legalization of documents. VISA Advisors charges a service fee per document and hand carries your documents to the embassies or consulates involved. VISA and passport requirements updated monthly.

### West Coast Travel WESTCOAST

West Coast Travel is a travel guide by Lee Foster which beckons you to the many pleasures of travel destinations in the western United States. For each area, Lee describes the flavor, how to get there, the area's history, the main attractions, nearby trips and where to get more information. He also has a section featuring articles on special interest travel. Questions may be left for Lee, which he will answer in future columns. Updated weekly. +

### WORLDSPAN Travelshopper WORLDSPAN

WORLDSPAN Travelshopper gives direct access to the WORLDSPAN reservation system (formerly PARS), which is owned by TWA, Northwest Airlines and Delta Airlines. You can look up flight availability and fares for any airline in the world. Travelshopper also provides the lowest fares available with Travelshopper's Low Fare Finder. Also you can book hotel rooms and rental cars. You can make reservations online and arrange ticketing through your travel agent or local airlines, or you can opt to pay by check (time permitting) or by credit card and have airline tickets mailed to you. Additional services and travel information, such as TWA and NORTHWEST flight operations information, weather, in-flight meals and movies, local times in other cities and currency conversion are also provided.

### WORLDSPAN Travelshopper (CIM) WORLDCIM

CompuServe and WORLDSPAN Travelshopper provide this new interface to the WORLDSPAN Reservation System for members who use CompuServe Information Manager (CIM). WORLDSPAN Travelshopper (CIM) allows you to navigate easily through flights, fares, fare restrictions and flight details. In addition, store your flight search criteria, passenger information and personal profile data online to save time and money when making a reservation or simply browsing flights.

### Zagat Restaurant Survey ZAGAT

Want to find out about a restaurant before you visit it? Whether you are seeking French cuisine or deep-dish pizza, access the Zagat Restaurant Survey. The survey features thousands of reviews based on annual surveys of restaurant patrons just like you. Search for old and new restaurants in more than 20 cities and regions across the United States by restaurant name, location, type of cuisine or price. While online, find out how to become a Zagat restaurant reviewer. Bon appetit!

### Related Topics

#### Computer and Software Support

European Forum EURFORUM  
Pacific Vendor Forum PACFORUM

#### Electronic Mail/Shopping

Electronic Mail MALL  
— See Travel/Vacations

#### Investing and Finance

International Company Information COINTL

#### News, Weather, Sports

EMI Non-graphic Map AERORAD  
Florida Today Forum FLATODAY  
Global Crises Forum CRISIS  
NWS Aviation Weather AWX  
Soviet Crisis News Clips SOVNEWS  
UK News Clips UKNEWS  
UK Newspaper Library UKPAPERS  
Weather Maps MAPS  
Weather Reports WEA

#### Personal Interest and Hobbies

Model Aviation Forum MODELNET  
Sailing Forum SAILING  
Scuba Forum DIVING

#### Professional Interests

Aviation Forum AVSIG

#### Reference Library

Information USA INFOUSA  
IQuest IQUEST  
Magazine Database Plus MPGDB

#### Special Interest Groups (Forums)

Foreign Language Forum FLEFO

### Codes Used In the Directory

CompuServe basic services\* have no symbol next to them on menus, making them easy to identify. Extended services, which are available at an hourly rate, have a "+" next to them. Premium services, which have an hourly rate and a surcharge, have a "\$" next to them on menus. Executive Option services, which have an hourly rate and sometimes a surcharge and are accessible only through an Executive Option membership, have an "E" or a "SE" next to them. GO EXECUTIVE to learn more about the Executive Option Service.

Here's a handy chart to help define CompuServe product categories:

Type of Service	Cost	Symbol	Example
Basic*	\$8.95/mo.	none	Academic American Encyclopedia
Extended	hourly	+	IBMNEW +
Premium	hourly/surcharge	\$	Quotes \$
Executive w/surcharge	hourly/surcharge/membership	SE	Disclosure SE

Note: When selecting a CompuServe service with the "+" symbol, hourly pricing begins with the next screen.

\*For more information on basic services see the last page of this directory.



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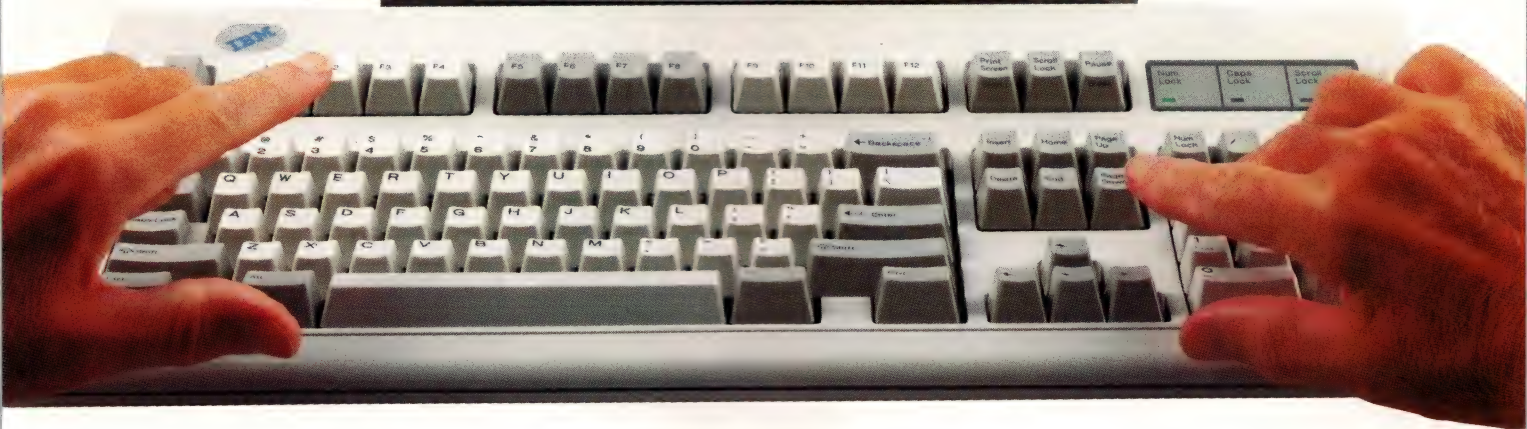
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# The Media Meet the Masses

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It's time to forget all the things you have to do with a computer and take your hard drive on a gratifying spin in our Virtual Community. Play hard, buy smart, seek solace, talk hobby shop or get headed down the holiday road.

▼  
Publishers Head  
for the Modems

▼  
'Interactive' Media Online,  
page 46

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Ethnic Eats, p. 52

### ► Publishing's one-way conduit has become a two-way street in forums touting 'print-eractivity.'

"What really knocks me out is a book that, when you're all done reading it, you wish the author that wrote it was a terrific friend of yours and you could call him up on the phone whenever you felt like it," says Holden Caulfield in J.D. Salinger's classic novel *The Catcher in the Rye*.

Holden should have lived in the '90s. He may not have been able to have phone conversations with his favorite authors, but he most likely could have found them on CompuServe. That's because publishers of books, newspapers and magazines are using the online highway to communicate with their readers in a way never before possible.

Publishers have always wanted to know what their readers think, but until now that communication was usually one way; however, letters to the editor sent to a publisher's forum are no longer dead-end missives. They now stir up message threads, getting responses from editors, writers and other readers.

For instance, some nonfiction books seem to issue a call to action to their readers. Alvin and Heidi Toffler's new book, *War and Anti-War*, is just such a book, proposing that the whole face of war will

need to change, and humankind will have to find ways to fight with nonlethal weapons. Ideas sparked by the Tofflers were recently shared online with the authors themselves in Time-Warner Trade Publishing's Author of the Week Forum (GO TWEP). Forum members discussed ideas for world peace and participated in a contest seeking ingenious ways to reorganize the United Nations.

Time-Warner Trade Publishing, the parent company to Little, Brown and Co. and Warner Books Inc., is the first major trade book publisher to regularly offer information and entertainment online. Featured will be book discussion groups with the authors of best sellers old and new, including Robert James Waller (*The Bridges of Madison County* and *Slow Waltz at Cedar Bend*), David Wallechinsky and Amy Wallace (*The Book of Lists #4*), Ed Emberly (*Ed Emberly's Drawing Book of Animals*), William Gibson (*Neuromancer*) and actor Kirk Douglas (*The Gift*). Architect John Connell, author of *Homing Instinct*, will have his own forum in which he will discuss the finer details of home building and renovation.

"We see this as a creative medium. We're interested in what readers will want to do if they can access publishers and authors online," says Jennifer Rogers, vice president of electronic publishing for Time-Warner Trade Publishing. Rogers already has some

Cathryn Conroy is senior writer for CompuServe Magazine. Her CompuServe User ID number is 70007,417.



## U.S. News & World Report Now Online

*U.S. News & World Report*, long respected for its practical reporting and analysis of international affairs and national policy, is the first weekly national magazine on CompuServe.

*U.S. News Online* (GO USNEWS) offers an electronic version of each week's printed magazine that is part of CompuServe's basic services as well as a searchable database of past issues and the interactive *U.S. News Forum*, where readers can discuss the news with each other and the magazine's writers and editors.

"We don't see cyberspace as just another printing press," says William Allman, *U.S. News & World Report* senior writer and sysop of the *U.S. News Forum*.

Merely uploading the text of each week's edition for online reading is not enough for *U.S. News & World Report*. "The strongest part of cyberspace is its interactivity, something you don't find in print. We see the

forum as a way to make the magazine richer and more enjoyable for our readers because it adds a new interactive dimension to the magazine that isn't possible otherwise," he explains.

Wonder what's on this week's cover? Using CompuServe Information Manager, just click that selection from the menu and view it instantly online without downloading. Many of the printed magazine's best photographs and graphics also are online. If a story piques your interest and you want to know more, check out the *U.S. News Forum*'s libraries to access such things as the raw data of surveys, resources for information, full-text public documents and more.

Look for people in the news, including the highest-level government officials, to be in real-time conferences to further explain their opinions of key events. In addition, check out the Query of the Week and sound off with your opinions and theories on current issues and dilemmas.

ideas, including solving a fictitious murder crafted by the authors and editors of *Mysterious Press*; creating the setting, characters and stories for a new series of women's fiction; and role-playing otherworldly games with science fiction authors and editors.

Although publishers have long used market research to keep in touch with readers' needs, CompuServe offers a new kind of reader-publisher interactivity. Instead of formally asking readers what they think through carefully crafted questions, publishers simply will be told straight from the heart. "Interactivity with our customers is very important to us because it is the only way we can truly know if our products meet the needs of those who are using them," says Lynn Zingraf, director of marketing communications for Prentice Hall Computer Publishing. He anticipates that the online audience will help shape the direction of new books and software offered by the company.

Competition—and trying to get a leg up on it—is one driving force behind publishers going electronic, and more than any other printed medium, newspapers are feeling the

competitive heat. Three newspaper publishers on CompuServe hope an online connection with readers will improve their papers' timeliness of news coverage, increase reader interaction and generally make access to information more convenient.

"It's a terrific way to get a feel for the community we serve. If we're going to stay in touch with our readers, we need to be plugged in, and this is one more avenue. The newspaper will more accurately reflect the lives our readers lead," says Ken Paulson, vice president and executive editor of Gannett Suburban Newspapers and the creator of the New York Newslink Forum, the electronic home of 11 suburban New York City daily newspapers. The forum is used by reporters and editors to get reader opinions on the news, locate interviewees and receive critiques on everything from page layout to editorial policy.

The *Florida Today* Forum, operated by another Gannett newspaper, *Florida Today*, began with similar goals but soon became something else—something not anticipated by the writers and editors. Located in

Brevard County, home of the Kennedy Space Center and Cape Canaveral, the *Florida Today* Forum is one of the premier sources for up-to-the-minute space news. The forum offers live coverage of all shuttle launches and landings and features a number of rocket GIFs in its libraries. "We were surprised at the amount of interest in space," admits Mark DeCotis, reader services editor for *Florida Today*, noting that online accessibility has widened the paper's reach around the world.

Interactivity benefits not only readers but also reporters, and this is one reason the *Detroit Free Press* is online. If you're looking for automobile industry news on anything from the latest air bag safety reports to GIF images of new car designs, the *Detroit Free Press* Forum is likely to have it. The paper's most important stories are filed online daily, and the editors and writers hope forum members' opinions will spark the imaginations of *Free Press* reporters.

"The forum will let us find out what people internationally think about the auto industry and the peculiar passions it seems

## Paper Research: News Source USA

There's nothing quite like a newspaper spread out on the kitchen table at breakfast, but if you need to find the "business" view on the latest congressional legislation or you want to track the ups and downs of your favorite sports team over the past six months, electronic access to dozens of newspapers, magazines and business publications is the way to go.

News Source USA (GO NEWSUSA) is a comprehensive collection of major U.S. publications that complements real-time broadcast and print news as a valuable source for background information and multiple perspectives. Its unique Scan feature offers a powerful search tool that quickly and conveniently locates articles from several sources at one time. In addition, the SOS feature provides real-time, one-on-one assistance from a research specialist who can help you design the most effective search process.

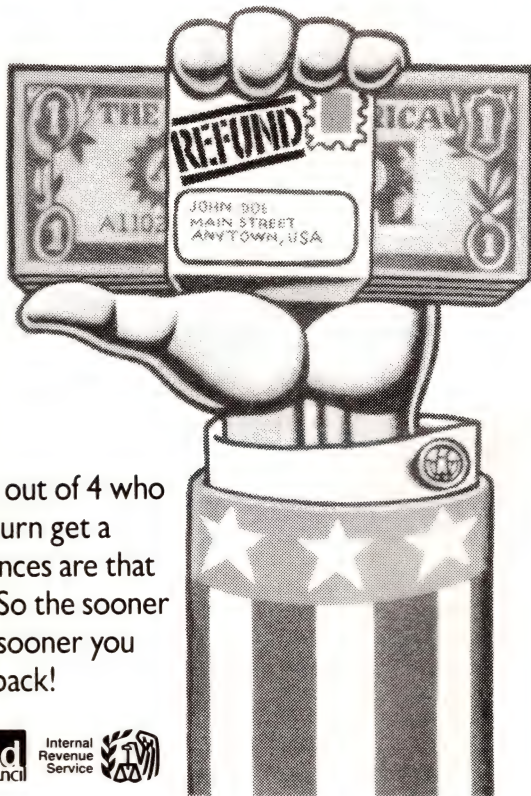
Replacing Newspaper Library, News Source USA has easier-to-read menus and newly added business and general-interest magazines, including *Time*, *People*, *Business Week*, *Fortune* and *Money*. In addition, its 60 newspaper titles are now organized by national and local categories and can be scanned by region (such as west) or by section (such as sports). Articles also can be searched by author.

News Source USA searches are \$3 each (for up to five titles) and \$3 for additional groups of five titles. There is a \$3 fee for viewing each full-text newspaper article and \$5 for each magazine and business publication article. More detailed pricing information is available online on the main menu of News Source USA.

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to stir up," says Rick Ratliff, associate director of *Free Press Plus*. "In many ways this is a very sexy business, but we who write about it everyday see it with a myopic perspective. The forum has the potential to give our auto writers a whole new outlook on the issues."

Magazines were the first to recognize the potential of the online medium for communicating with their readers. In the mid-1980s Ziff-Davis Co. set up ZiffNet, an information-packed network of individual magazine forums and databases of utility software to complement its collection of computer magazines, including *PC Magazine*, *PC/Computing* and *MacWEEK*. In addition, the Executives Online Forum sponsors online visits by industry executives who discuss where their companies are heading. "This interaction provides a valuable and unique opportunity for developers, users and the press to put their heads together about what makes products tick," says Craig Kerwien, executive editor of ZiffNet.

PCM, published by VNU Business Publications in Amsterdam, The Netherlands, uses the VNU Forum to post hot computer industry news that happens after the monthly magazine's deadlines. In addition, demo versions of reviewed software and shareware are offered. Editor Ferdinand Sennema says the online connection "makes our magazine come alive."

"How to" magazines will find the online medium an ideal way to clarify instructions and offer a bit of electronic hand-holding to hesitant readers attempting new projects. *The Family Handyman* is the first such publication on CompuServe. Loaded with home-improvement tips, ideas and projects, the magazine is using the forum to find out where readers have problems and determine what they need and like.

It's unlikely that electronic publishing will ever entirely replace printed newspapers, magazines or books, but this online connection will complement and subtly change the way we read and research. As Holden Caulfield realized, interaction between writers and readers will knock you out. For a list of interactive publishers online, see "Overview," p.46.





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## Overview of Interactive Publishers Online

The following publishers offer interactive services on CompuServe, allowing members to communicate directly with editors and writers.

### MAGAZINES:

*AI Expert*, *AI Expert Forum* (GO AIEXPERT)  
*Cadence*, *Cadence Forum* (GO CADENCE)  
*Computer Shopper*, *Computer Shopper Forum* (GO COMPSHOPPER)  
*Computer Shopper*, *Computer Shopper* (U.K.) Forum (GO UKSHOPPER)  
*Data Based Advisor*, *Data Based Advisor Forum* (GO DBADVISOR)  
*DEC Professional*, *VAX Forum* (GO VAXFORUM)  
*Digital Systems Journal*, *VAX Forum* (GO VAXFORUM)  
*Dr. Dobb's Journal*, *Dr. Dobb's Journal Forum* (GO DDJFORUM)  
*Electronic Engineering Times*, *EETnet* (GO EETNET)  
*Entrepreneur Magazine*, *Entrepreneur's Small-Business Square* (GO ENTMAGAZINE)  
*Family Handyman*, *Family Handyman Forum* (GO HANDYMAN)

*HP Professional*, *VAX Forum* (GO VAXFORUM)  
*LAN Computing*, *VAX Forum* (GO VAXFORUM)  
*LAN Magazine*, *LAN Magazine Forum* (GO LANMAG)  
*MacUser*, *MacUser Forum* (GO MACUSER)  
*MacWEEK*, *MacWEEK Forum* (GO MACWEEK)  
*Markt & Technik*, *MUT Forum* (GO MUTFORUM)  
*Midrange Systems*, *VAX Forum* (GO VAXFORUM)  
*OS/2 Magazine*, *OS/2 Vendors Forum* (GO OS2BVEN)  
*PC/Computing*, *PC/Computing Forum* (GO PCCONTACT)  
*PC Magazine*, *PC MagNet* (GO PCMAGNET)  
*PC Magazine U.K.*, *PC Magazine U.K. Forum* (GO PCUKFORUM)  
*PC Plus* and *PC Answers Magazines*, *PC Plus/PC Answers Forum* (GO PCPFORUM)  
*PC Week*, *PC Week Extra!* (GO PCWEEK)  
*PC World*, *PC World Forum* (GO PCWORLD)  
*PCM (Netherlands)*, *VNU Forum* (GO VNUNL)  
*Software Development*, *Software Development Forum* (GO SDFORUM)

*Stacks Magazine*, *Stacks Magazine Forum* (GO STACKS)  
*U.S. News & World Report*, *U.S. News Online* (GO USNEWS)  
*Windows Sources*, *Windows Sources Forum* (GO WINSOURCES)  
*Ziff Windows Deutschland*, *Ziff Windows Deutschland Forum* (GO GERWIN)

### BOOKS:

Prentice Hall Computer Publishing,  
 Prentice Hall Computing Publishing Forum (GO PHCP)  
 Time-Warner Trade Publishing,  
 Author of the Week Forum (GO TWEP)

### NEWSPAPERS:

*Detroit Free Press*, *Detroit Free Press Forum* (GO DETROIT)  
*Florida Today*, *Florida Today Forum* (GO FLATODAY)  
 Gannett suburban New York City dailies,  
 New York NewsLink Forum (GO NEWYORK)



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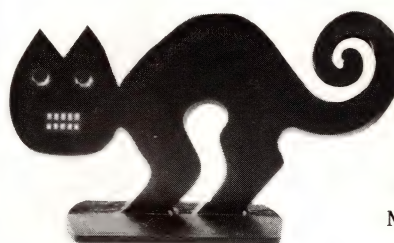
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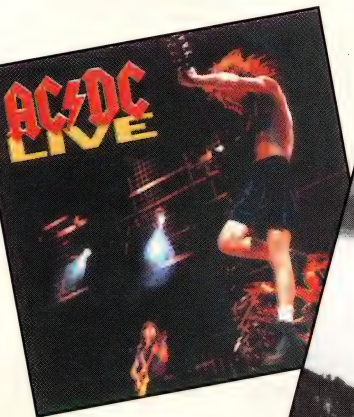
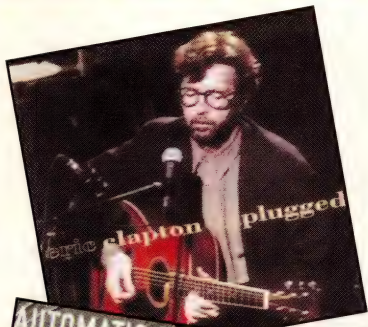
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# The Endless Cycle

## ► CompuServers who commute by bike talk of riding's lessons.

In car-dependent Los Angeles, free-lance photographer Dana Ross is a maverick. When he travels to photo shoots in concert halls all over the city, dressed in a suit and tie, camera gear in tow, he never idles in traffic or hunts for parking. Ross rides his Moulton AM7 bicycle to work, locks it up backstage and gets to work. "It's a great conversation starter," he says. "The musicians love it, but most argue that pedaling to work with a \$100,000 violin is too dangerous."

For most of us, the idea of commuting to work by bicycle elicits more anxiety than enthusiasm. We make endless mental lists of reasons why we can't: It's dangerous, too far away, no bike storage facilities, no place to shower or change clothes, having to wake up and leave home earlier, cold (or hot) weather, and basically that it's not worth the bother.

Yet Ross and the other bicycle commuters who frequent the Outdoors Forum's (GO OUTDOORS) Section 7, "Cycling," don't let any of those excuses stop them. They are among the 4.3 million people in the United States alone (compared to 1.5 million in 1983) for whom the benefits of commuting by bicycle override the reasons not to. Section 7 is where commuters, racers, recreational riders and anyone enamored of two-wheeled transport meet to trade tips and advice and to socialize with others who share their passion for cycling.

### RANDOM ACCESS

"I commute by bicycle because I love to ride. It allows me to combine exercise with getting back and forth to work, so I don't have to steal time away from family and other activities," says Michael Blotzer, who takes the 15-mile scenic route from Bay Village, Ohio, west of Cleveland, through the wooded Cleveland Metro Park to his job at the NASA Lewis Research Center.

A bicycle commute also helps Fred Kesler keep fit. His daily 6.2-mile ride in Orem, Utah, to his job at WordPerfect helped him to lose 30 pounds. Recently, Kesler pondered whether to purchase a new car or a better bicycle. He went for the bike. "If I bought the car, I'd have car payments, insurance premiums, licensing fees, repair and maintenance costs, plus gasoline to purchase," he says.

"Green" concerns are what keep environmental scientist

James Siesfeld on his Trek 400 road bike and out of his car in New Rochelle, New York. "I'm not adding 18 pounds of carbon dioxide per mile into the atmosphere or contributing to the United



Gas, parking and earthquake damage aren't a problem: Ross

States' dependency on foreign supplies of petroleum," he says. He uses his bike for trips within 10 miles of home but drives his 5-year-old Dodge minivan at least once a week: "Because of a street-cleaning ordinance, I'm forced to move it from one side of

## Gearing Up? Some Wheel-Life Advice

Ready to trade horsepower for pedal power? Members of the Outdoors Forum (GO OUTDOORS), Section 7, "Cycling," offer tips to help make your commute to work (or wherever you're traveling to) easier and more enjoyable:

- Plan your route beforehand and take a weekend practice ride to time yourself. Keep rides interesting by finding alternate routes that offer changes of scenery and bypass heavily trafficked roads.
- Decide how to carry work clothes. One option is panniers that drape over a bike rack attached to the rear wheel.
- Prevent delays by organizing work clothes and toiletries the night before and packing them in the morning. Keep extra accessories such as socks, shoes and undergarments in your office in case you forget them at home, and to reduce weight and bulk in your clothes carrier.
- To start, commit to riding a day or week at a time during mild weather. As you become used to riding, your commitment will probably increase.
- Buy a good helmet and don't ride without it. Wearing a helmet brands you as a serious cyclist who demands motorists' respect, and it could save your life.

- Make yourself visible. Wear bright colors, adorn your bike with reflectors, and customize your helmet with reflective tape for easy identification and high visibility.
- Consider purchasing some key equipment. Padded riding gloves protect hands in case of spills and provide comfort from hard handlebars. Night commuters should buy the brightest affordable headlights, such as Night Sun dual beams and VistaLight flashers. Rear-view mirrors that attach to handlebars or helmets offer the security of knowing what's behind you. If you're parking your bicycle in public, a good lock is crucial. Members recommend U-locks over easily cut chain-type locks.
- Overcome the "inferiority complex" some cyclists have. Bicycles are *vehicles* with as much right to the road as motor vehicles. When riding, obey all traffic laws, act predictably and avoid any sudden moves that would surprise drivers.
- Give yourself plenty of room on the road. Ride in the middle of the lane, approximately 2 feet from the berm. In some situations, it's safer to take over the lane and increase your visibility by riding down the middle.

—MDK



the street to the other."

Ross thinks another benefit of cycling is that it keeps cyclists in touch with their communities. "Automobiles have destroyed contact between people. Communities are built when neighbors see each other, shop in local stores and have time to talk. Cycling facilitates all these good things," he says.

Despite the love affair with the automobile in industrialized nations, the World-watch Institute reports that in the last 20 years, bicycles have surpassed cars as the leading means of personal transportation in the world: 800 million bicycles compared to 460 million cars. Still, with all of cycling's benefits, why don't more people cycle to work?

In 1991, *Bicycling* magazine commissioned a Harris Poll to learn why more Americans don't ride bikes to work. It found that one in five would sometimes commute by bicycle if better facilities were available. It also reported that 17 percent of all adults would ride bicycles to work if their workplaces offered adequate shower and bike-storage facilities.

Since half of all U.S. commutes to work are less than five miles—a half-hour ride for average cyclists—and there are more than 55 million adults who ride a bike at least once a week, "pedal power" has the potential to become a viable means of alternative transportation for a lot more people in the United States and around the world.

Although the Harris Poll reflects U.S. attitudes, Cycling section members from the United Kingdom, Canada, Germany, The Netherlands and New Zealand think that with improvements in roads and facilities, and enlightenment of public attitudes, conditions would be ripe for more people to try bicycle commuting.

Cycling activist Mark Strong of Brighton, England, who helped plan London's 1,000 Mile Cycle Route Network, a comprehensive network of routes across the city, says that in the United Kingdom "cycling is still seen as a second-rate form of transport, for the poor or rebellious." Yet, according to Strong, in York and Oxford, 20 percent of all journeys are completed on bicycles.

In Germany, Martin Spieser of Heilbronn says, "Unfortunately, bicycles are still seen as a device for spare time and not as a vehicle for commuting or shopping." Although local governments in Germany are planning more bike paths, Spieser says many of the new paths are poorly planned, small and riddled with potholes. However, a growing bike lobby, spearheaded by the German bike club ADFC (Allgemeiner Deutscher Fahrrad Club), is working for more improvements for cyclists.

Bicycling activism has been around about as long as bicycles have. The League of American Wheelmen, an organization of avid cyclists founded in 1880, was the most influential group of its time in lobbying for much-needed road improvements, which, ironically, were eventually enjoyed more by the newfangled automobile than by bicycles. More than 100 years later, cyclists are still

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## Learning Gas-less Transit: Cycling Uploads

Whether you ride around the block on the weekend or train for cross-country trips, the Outdoors Forum's (GO OUTDOORS) Library 7, "Cycling," has something to interest every level of cyclist. Here is a sample of what is offered:

**Commute Stories**—A collection of stories shared by forum members about their daily commutes, including high points and frustrations. COMMUT.TXT (32,460 bytes).

**D.I.Y. Headlight**—Instructions on how to make your own inexpensive yet powerful cyclists' headlight. LIGHTS.DOC (8,704 bytes).

**Cold Weather Tips**—Ideas for appropriate clothing and equipment, plus tips and techniques for riding in winter, from a cycling veteran. WINTER.TIP (28,244 bytes).

**Northwest Tour**—Narrative describing a cycling trip from Anchorage, Alaska, to Eugene,

Oregon, by way of Canada and Idaho, with side trips to Banff National Park and through the Canadian Rockies. TRAKOR.TXT (14,063 bytes).

**What to Take?**—Listing of camping equipment, tools, clothing and sundries one member used on a trip from Maine to Florida. Use as a checklist for similar trips. BIKTOU.TXT (7,741 bytes).

**Bike How-to's**—The most frequently asked questions about bicycles and cycling are answered in three comprehensive text files. QUESTS.ZIP (73,633 bytes).

**Gadgets and Doochickies**—Message thread discussion about Cool Tools, Gorilla Headlocks and other low-priced equipment cyclists recommend for enhancing your ride. GADGET.ASC (12,214 bytes).

**Repair Guide**—Bicycle repair guide com-

plete with graphics. Includes a test describing rebuild and adjustment procedures. BIKREP.ZIP (139,904 bytes).

**Bike Pics**—Contains 33 pieces of bicycling-related clip art in PCX format. CYCLPX.ZIP (206,148 bytes).

**Training Database**—Bicycle training database for use with Microsoft Access relational database software lets you monitor training sessions. Shareware. BT.D.ZIP (51,279 bytes).

**'94 Cannondale Info**—List of features available on the 1994 Cannondale Super V series bikes. SUPERV.TXT (5,802 bytes).

Also, search Magazine Database Plus (GO MAGDB) for full-text articles from *Bicycling* magazine by choosing Option 3, "Publication Names."

lobbying for equal time on the road.

Cycling section member Elizabeth Russell is on the Mayor's Bicycle Advocacy Committee and active in Bikeways Maui in Hawaii. She says that prior to the 1991 United States Intermodal Surface Transportation Efficiency Act, which requires states to devise long-range transportation plans for bicyclists' needs, bicycles weren't officially included in highway-oriented U.S. transportation plans. "It's a heady time for cyclists who suddenly see a means for cherished projects to come to fruition," she says.

Michigan cycling activist Dante Lanzetta says, "If bicycles are to reach their full transit potential, communities need to provide decently paved routes for commuters and educate the public that bicycles are also vehicles with all the rights of motor vehicles."

In the United Kingdom, activists are working toward the same goals as their U.S. counterparts. According to Strong, who is currently project manager for Sustainable Transport and Cycling strategy officer for the East Sussex County Council, that includes gaining central government support for better cycling route design, for including bicycles when planning new roads and allowing bicycles to be carried on trains. "Policy in the United Kingdom is that the government won't promote one form of transport above another, but a national cycling policy would do this," he says.

Strong says U.K. cycling activists are enjoying some victories. For instance, bicycles will be allowed on trains through the Channel Tunnel and the Select Committee on Transport in Parliament is set to hold a special hearing on cycling.

By all accounts, The Netherlands is one of the world's most "bicycle-friendly" countries. Michael Blotzer, who vacationed there last fall, observed, "In The Netherlands, the traffic system is designed to integrate bicycles, unlike the United States, where a bike is

considered a nuisance to be run off the road."

Dutch cyclists can count on traffic signals with bicycle sequences, bike lanes and path systems, streets restricted to bicycles, and storage, rental and repair shops in every train station. "Some Dutch companies will pay for employees to purchase a commuting bike. This is exempt from taxes up to a certain amount, enough to buy a good quality 3-speed bike," says Joel Lipton, a musician who lives in Haarlem and commutes to Amsterdam. Lipton credits Dutch bicycle associations as the impetus behind these improvements, including the installation of hundreds of bicycle racks throughout the country. According to Strong, 50 percent of all journeys in the Dutch city of Groningen are completed on bicycles, with Delft showing similar high usage.

Although some cities and countries have a long way to go before bicycles are included in innovative urban transportation plans, cities such as Seattle and Davis, California, are examples of how cycling can be successfully integrated into existing road systems. Davis' 50,000 residents own 40,000 bicycles and its streets incorporate striped bicycle lanes. Seattle's Burke-Gilman Greenway, a 12.1-mile multi-purpose paved path is the most heavily used trail in the United States. The city has numerous on-road routes, and it tops *Bicycling* magazine's 10 Most Bicycle-Friendly Cities list every year.

There's no denying that bicycle commuting requires some planning and lifestyle changes. But according to Bruce Frech of Philadelphia, "The biggest problem facing potential bicycle commuters is deciding to do it." Frech scrapped a daily one hour and 10-minute car commute in favor of two hours and 40 minutes of cycling time. "Commuting hasn't changed my life; I changed my life so I could commute," he says. Frech stores his bike near his desk, cleans up with a wash-

cloth and gets dressed in his office, where he stores a supply of clothes.


Similarly, Dan Langille of Wellington, New Zealand, leaves suits in his office and brings shirts to work via car in conjunction with other trips. Although the bank where he works provides bike racks, he prefers to carry his bike in the elevator to his office.

Additionally, safety and weather obstacles can be overcome. Tim Warneking of Grand Island, Nebraska, works nights at the local post office, so he depends on Vista-Lite 430 dual-beam headlights to make himself visible to cars on his 6-mile, round-trip commute between 2 and 4 a.m.

Blotzer, who commutes about 9,000 miles a year, even in Northeast Ohio winters, credits Cycling section members for suggesting cold-weather clothing and equipment. In temperatures below 40 degrees, he suits up in tights over shorts, a short-sleeve jersey over a polypropylene long undershirt, nylon windbreaker and neoprene gloves. The colder it gets, the more layers he adds.

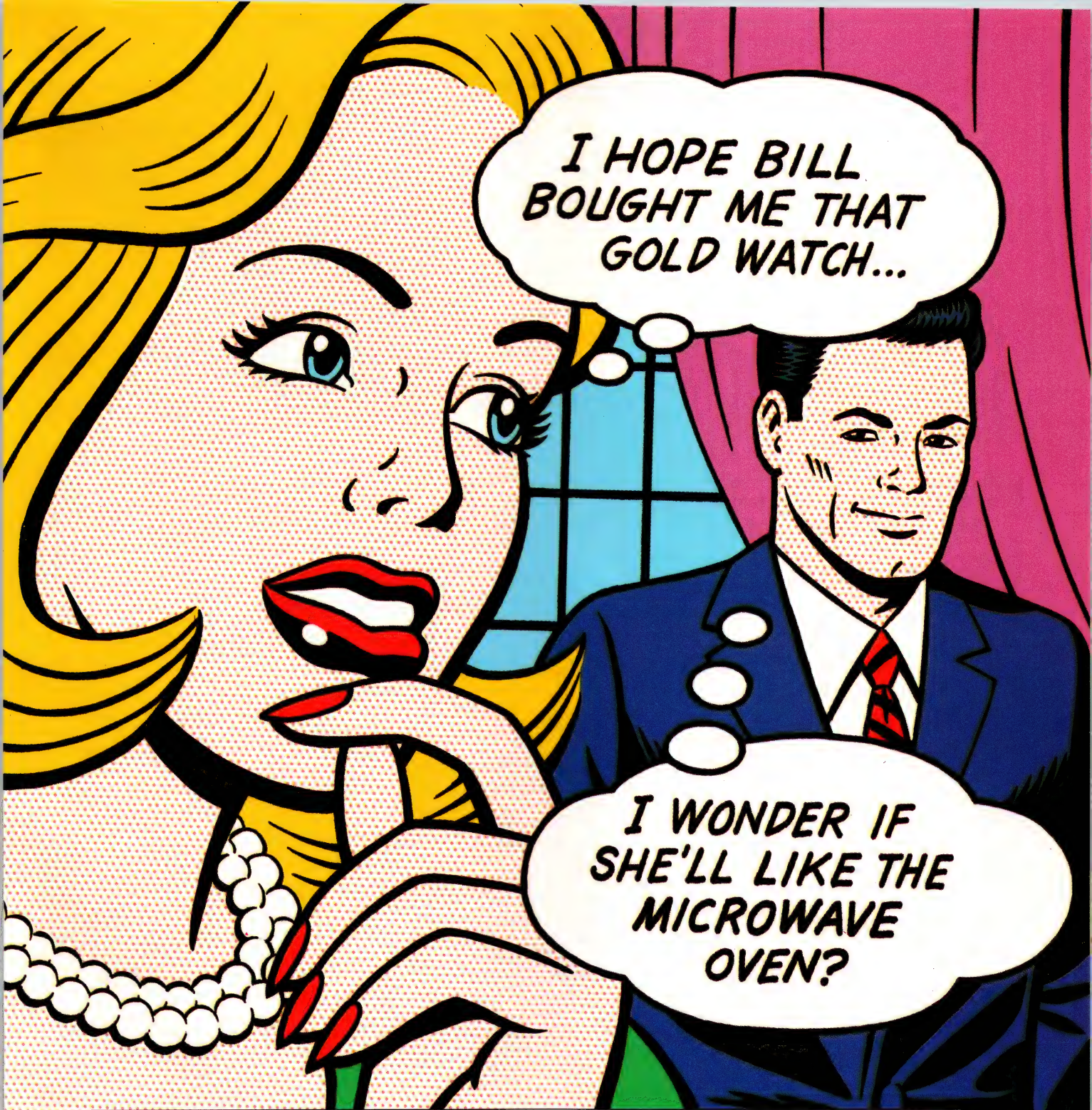
Perhaps the biggest reason why people don't ride to work is lack of time. But according to the Bicycle Federation of America, bicycles are competitive with cars time-wise. In a contest held in Orlando, Florida, a cyclist who followed all traffic laws arrived six minutes earlier than a van driven by a radio station disc jockey.

"Once you decide to bike commute, everything else can be worked out," says Frech. "It takes a certain persistence and attitude to handle the obstacles and keep commuting."

Millions of bike commuters would no doubt agree with Blotzer's motto: "Work is a break between bicycle rides." 

Michele D. Kinnamon is an assistant editor of CompuServe Magazine whose fair-weather round-trip bike commute is 13 miles. Her CompuServe User ID number is 75300,444.





I HOPE BILL  
BOUGHT ME THAT  
GOLD WATCH...

I WONDER IF  
SHE'LL LIKE THE  
MICROWAVE  
OVEN?

*He was on the PC again last night; lately, I never see Bill [sigh]. But if he got me the watch...*

I could barely tear myself away...what variety! Over 250,000 items from popular name-brand manufacturers. Not an easy decision, but Marge could really use a microwave.

*I hope he found Shoppers Advantage.® Then he would've saved 10% to 50% off the manufacturer's list price. Not just on watches and jewelry, but toys, tools, furnishings, appliances...*

I just typed GO SAC online. You don't even have to be a member. But when I saw

the extra savings they get, I joined. Now I've got a Low Price Guarantee,\* in case Marge finds that microwave for less someplace else. And, we've got Automatic Two-Year Warranty Protection!\*

*Oh no...he probably got me an appliance. Well, he can log back on for that watch any time. This is one store that's truly open at our convenience...*

**Shoppers Advantage®**  
ON THE ELECTRONIC MALL™

\* Full details of our Low Price Guarantee, Automatic Two-Year Warranty Protection, and Membership can be read online.

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by Martha Barnette

# Delicious and Indigenous

## ► Appreciators of ethnic foods trade spices, secrets and favorite recipes.

Not long ago, Cook's Online Forum member Susie Lamonte had a few famous Russians over for dinner: Ivan the Terrible, Anna Karenina, Grigori Rasputin, assorted Cosacks and peasants, as well as Boris Badenov and his girlfriend, Natasha.

Well, sort of. Lamonte, a self-described "creole-Cajun cook from Louisiana," despaired of finding good ethnic restaurants near her hometown, so she and her pals decided they'd simply learn to cook exotic foods themselves. And while they were at it, they figured, why not go all out?

For their south-of-the-border supper, they donned festive Mexican costumes and serenaded each other with songs penned just for the occasion (including "One Ton Tomatoes" sung to the tune of "Guantanamera"). For their Renaissance repast, some wore monks' robes, and all strove for authenticity by eat-

ing with their fingers and tossing the leftovers to dogs beneath the table. For their Russian feast, they sampled *piroshkis*, or Russian meat pies, accompanied by Gypsy music, Ukrainian folk songs—and, for accuracy's sake, of course, a generous supply of Stolichnaya vodka.

"We all do the research and try to make it as authentic as possible. It's a hoot," says Lamonte. "I can see we will be breaking it down to regions eventually."

Maybe not everyone embraces ethnic cuisine with quite this much gusto, but growing numbers of people are discovering the challenges and tasty rewards of cooking foods from cultures and countries very different from their own. Ethnic specialty cookbooks such as *Marcella's Italian Kitchen* by Marcella Hazan (Random House, \$27.50) and Julie Sahni's *Moghul Microwave: Cooking Indian Food the Modern Way* (Morrow, \$27.95) are enjoying unprecedented popularity. Spicy Mexican salsa has even surpassed that old standby, ketchup, as America's top-selling condiment. On CompuServe, the hottest spot for proponents of culinary diversity to exchange recipes and advice is the Ethnic Cooking Section of the Cook's Online Forum (GO COOKS). That's where Lamonte went, for example, when she needed a recipe for *piroshkis*.

Why all the new interest in ethnic edibles? Forum members provide a veritable smorgasbord of answers:

Kim Mteirek began exploring ethnic cooking because her husband, who is of Lebanese descent, is "a picky eater." Her first attempt at preparing *kafta*, a traditional dish of ground, spiced meat topped with potatoes in tomato sauce, turned out fairly well—even though, as her husband gently informed her, she'd cooked the entire dish upside-down, with the potatoes on the bottom, drying the meat into an unrecognizable substance. "I realized I needed to do more research," the Tallahassee, Florida, resident recalls.

So she checked out an armful of library books on Arabic cuisine and started pestering all of her Middle Eastern friends for recipes and tips, such as how to cook lamb's

head. ("You put the whole head in a stock pot and boil it like crazy with chick-peas, onions, garlic and other spices in tomato sauce. It's eaten by cracking open the head and eating the brains and cutting the tongue out. ... If you're brave enough, you can eat the eyes, too," Mteirek says, adding

that she herself prefers to abstain. "I just couldn't get over the feeling that the poor lamb was staring at me.")

A few months ago, Mteirek joined CompuServe and made a beeline for the Cook's Online Forum, where she found hearty helpings of information from other ethnic cooking enthusiasts.

She was astonished to find swift and thorough answers when she asked about recipes for pickled garlic ("I mean, *who* uses pickled garlic?") and found an energy-saving answer to her question about how to keep a homemade yogurt mixture warm during fermentation. "I used to leave my oven on 300 degrees all night and let the yogurt sit on top of the stove—talk about a waste of electricity!" A forum member advised her to keep the mixture warm by putting the yogurt container in a styrofoam box with a heating pad and a thermometer.

Online discussions also saved her time: Croissant-making had been a two-day process for her until a forum member shared "the perfect recipe," which takes a fraction of the time. "It's almost like sitting around with my relatives and exchanging recipes and cooking tips," Mteirek says. "I have two books full of recipes and cooking tips that I got from the forum, and I use them every day."

Mitch Smith's interest in ethnic eats was sparked by the year he spent in England working at Lloyds of London. "There is a large Indian population in England, so there are lots of wonderful Indian restaurants," says Smith, of St. Louis, Missouri. "We became immediately hooked on the *tandoori* style of cooking meats, aromatic *basmati* rice, and the roast cumin flavored yogurt sauces served with everything from kidney beans to tomato and yogurt chunks."

When Smith and his family returned to



Baked goods baked big: Ukrainian bread

## RANDOM ACCESS



Chopped meat inside pastry: Russian *piroshkis*



the Midwest, they had difficulty finding authentic Indian cuisine, so they began cooking it themselves, and scanning the Cook's Forum for ideas. One of the biggest problems in preparing ethnic cuisine, Smith says, is tracking down exotic ingredients, such as kari leaves, tamarind, white poppy seeds, amchoor and asafetida.

He found help in the forum's libraries, which include several listings of places to get hard-to-find ingredients. MAILOR.TXT (59,877 bytes) in Library 2, "New Uploads," offers a continually updated resource list for catalogs, mail-order gadgets and unusual ingredients; while CHILOR.TXT (15,649 bytes) in Library 4, "Herbs and Spices," includes a list of sources for fanciers of all kinds of chili peppers, from *jalapenos* to *habaneros*.

Still others gravitate to ethnic food because it offers vegetarians so many tasty possibilities. Bob Vowels of Washington, D.C., once specialized in French cuisine, but his concerns about cholesterol and a preference for meatless meals steered him to other types of cooking, such as the many vegetarian dishes of India. "I've picked up a lot of good cooking tips for using soy products and *tempeh*," Vowels says. *Tempeh*, a protein-rich soybean cake that originated in ancient Indonesia, tends to be bland, Vowels says, "but the folks in the Cook's Forum have lots of secrets to share."



Dish a coyote could love: Mexican roadrunner

## Herb Happenings

Whether you're on a quest for the best *quinoa* or pursuing the perfect *pappad*, the secret to success in ethnic cooking is to make sure you use fresh herbs and spices—with the emphasis on *fresh*.

That's the advice of Michael Aichlmayr, leader of the Cook's Online Forum's Section 4, "Herbs and Spices." He offers the following tips for spicing up ethnic cuisine:

- ▶ Grow your own herb garden. Fresh-plucked herbs and spices can transform a merely serviceable meal into one that's simply sensuous.
- ▶ In the fall, put fresh herbs such as basil and oregano in an ice tray, cover with water and freeze. Thaw the cubes as needed for a flavorful addition to pasta sauces.
- ▶ Savor it with flowers, many of which are edible. "Chive flowers make the most gorgeous pink white wine vinegar that can be used for all sorts of things," Aichlmayr says.

Pansies and nasturtiums add color and spice to salad. Rose petals add delicate flavor to jellies.

- ▶ Don't be afraid to experiment. Aichlmayr recently created a homemade California-style garlic ice cream with pineapple topping. ("It was very good," he says, "although I can point to a lot of people who wouldn't try it.")

Catch Aichlmayr's "Herb Bites" in the forum's Section 4. About twice a week, he posts tasty tidbits of information about the history and uses of herbs. From a recent posting about catnip: "A native of Europe ... this plant has been said to be an aphrodisiac to cats. A tea made from the dried leaves and flowers was used to treat everything from colds to cancer, and the fumes from catnip tea were believed to take away barrenness. Naturalist Euell Gibbons served candied catnip leaves as an after-dinner mint."

—MB



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Indeed, notes forum staffer Chris Mitchell, ethnic cooking exponentially expands the options for those who'd rather eschew meat than chew it. A vegetarian for more than 20 years, he notes, "Rather than 'running out of ideas,' I'm running about six months behind my pile of recipes printed from Cook's messaging sessions!"

If all this talk about ethnic cuisine whets

your appetite for cooking it, Cook's Forum staffer Lon Hall (who's contributed several cookbooks' worth of recipes to the forum libraries) offers the following tips: Get to know co-workers, fellow students or neighbors from other countries—if you

find one who's a "foodie," you'll be doubly lucky. Eat at restaurants that feature the kinds of food you'd like to learn about, to see how various dishes should look and taste.

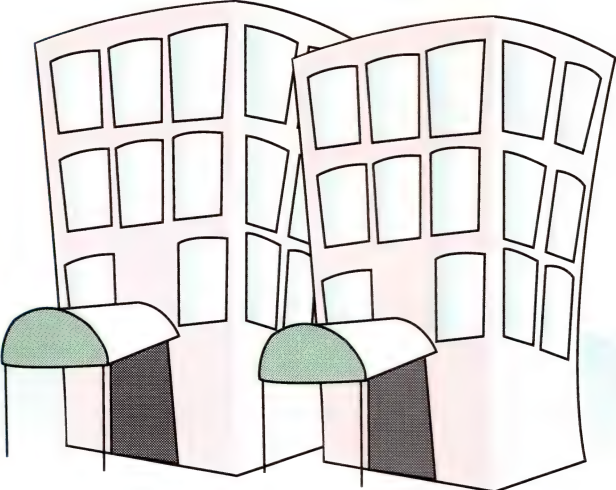
## RANDOM ACCESS

Finally, drop by the Cook's Online Forum and browse the libraries or pose a question. Whether you're wondering where in the world to find a Thousand Year Old Egg or how to serve a spring chicken, you'll find a friendly source of good-to-the-last-byte advice. ☺

Martha Barnette is writing a book about food and word origins for Times Books/Random House. Her CompuServe User ID is 75300,3140.

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## Exotic Eats: Cook's Online Files

There's a rich potpourri of recipes, culinary catalogs and other food for thought in Library 7, "Ethnic Recipes," of the Cook's Online Forum (GO COOKS). Here's a sampling:

**Two Tastes of Africa**—Recipes for Egyptian *kofta* with tomato and yogurt and the African-influenced Cuban dish, *frijoles negros con pescado*. 2TAFRI.TXT (4,027 bytes).

**Italian Supper for Six**—Recipes for an entire Italian meal, featuring olive *focaccia* with pancetta and onion, pasta shells filled with feta and herbs, fennel and walnut salad. ITLSUP.TXT (4,482 bytes).

**How to Feed a Cold**—Excerpts from fascinating articles about various foods used to treat the common cold around the world, with recipes for 13 mouth-watering home remedies you'll probably want to try even if you're not sick. FECOLD.TXT (40,051 bytes).

**Brazilian Veggies**—Four Brazilian vegetable dishes: *couve a mineira* (kale, Mineira style), *xuxu com polho* (chayote with sauce), *angu de milho* (corn angu) and *acaca* (hominy balls). BRAZL5.TXT (5,200 bytes).

**Roll Your Own Sushi**—Everything you always wanted to know about sushi, including how to make sushi rice, sushi vinegar, sushi omelets, and various styles of sushi rolls from the "California" to "Campbell" variety. SUSHI.ZIP (16,202 bytes).

**Caribbean Trout Kabobs**—Rainbow trout fillets marinated in sweet pineapple-curry marinade, grilled on skewers with pineapple, banana and papaya chunks. TROUKA.TXT (1,672 bytes).

**Filipino Lumpia**—Four recipes for Filipino *lumpia*, with sauce, for seafood and pork. LUMPIA.TXT (2,437 bytes).

**Latvian Soup**—How to make a tasty *kartofelny sup s gribami* (potato and wild mushroom soup). LATSOU.TXT (1,642 bytes).

**Thai Recipes**—Sweet-sour scallops, pan-fried fish with cucumber relish, warm pork and peanut salad, and pad thai with vegetables. THAICO.TXT (8,044 bytes).

**Moroccan Charmoula**—Recipe for a spicy fish or fish marinade of lemon, olive oil, coriander and spices. CHARM.TXT (914 bytes).



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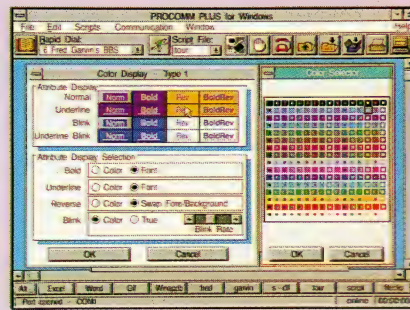
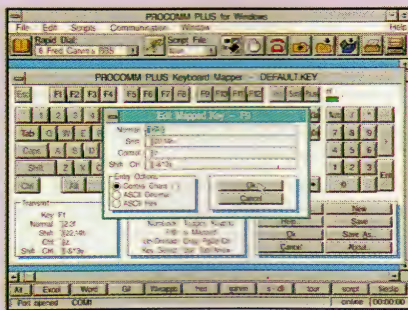


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# Downloadable Notables

**D**ownloadable Notables is a monthly catalog of new and interesting uploads from various forums researched and compiled by Associate Editor Chris Galvin. If you'd like to suggest a file for mention, send the full forum file description (including file name, size, title, keywords and summary) along with a brief note explaining why it caught your fancy to CompuServe User ID 71154.74. *Do not send the file itself.* Note: Many mentioned program files are shareware; view full descriptions online for details. File names are listed in ALL CAPS. If you cannot locate a file, check the forum's announcements for late changes or post a message to \*SYSOP.

\*\*\*\*\*

**Not Just Stamps, Here**—Recent uploads to the Collectibles Forum's (GO COLLECT) Library 7, "Other Collectibles," prove that the stockpiling of rare or valuable items goes way beyond baseball cards. Resource files on collecting the following are available: stereoscopic photography; old stocks and bonds; radios and TVs; airship memorabilia; and fossils.

3-D-SU.TXT (11,564 bytes)  
STOCK.RES (7,212 bytes)  
RADIO2.RES (8,830 bytes)  
AIRSHP.RES (2,067 bytes)  
FOSSIL.RES (1,060 bytes)

**Learning Experiences**—If you're into using your PC as an educational tool, browse the Education Forum's (GO EDFORUM) Library 2, "Software to Go." New programs include Math Sampler, a well-reviewed arcade-game approach to multidigit math; Jurassic Spelling, a spelling exercise with visual and synthesized-speech aural rewards; the U.S. Constitution for DOS with multiwindowed interface and info on the flag, amendments, court cases and the Magna Carta; and ABC-TALK, a package for preschoolers with a talking teacher who instructs in reading, spelling, drawing and computer use.

MSAMP.ZIP (118,031 bytes)  
J\_SPL2.ZIP (610,805 bytes)  
USCON2.ZIP (152,576 bytes)  
ABC30.ZIP (288,512 bytes)

**A Healthy Download**—Try the Health & Fitness Forum (GO GOODHEALTH) for PC software and text files geared toward keeping you fit. Library 7, "Exercise & Fitness," has Nutrisoft's popular Weight Perfect for Windows, which monitors fat, carbohydrates, cholesterol, calories and more, and helps establish a plan for weight loss or gain.

NSWEIG.ZIP (580,289 bytes).

Library 10, "Nutrition," includes the newest version of Program for a Small Planet, which helps find delicious, good-for-you combinations of foods for a meal and displays nutritional info on dishes.

FOODSM.EXE (214,158 bytes).

Library 15, "Issues at Work," has a file of common questions from the Internet covering Repetitive Strain Injury with info on keyboard, software and furniture solutions. RSIFAQ.ZIP (40,530 bytes).

**Hardware Happenings**—Check the IBM Hardware Forum (GO IBMHW) for files related to disks, printers, video monitors and more. Library 1, "Disk/Disk Utils," features a blazingly fast diskette duplicator and an archived thread concerning the adding of a second hard drive.

COPYQM.ZIP (136,867 bytes)  
TWOIDE.THD (22,061 bytes).

Library 3, "Video," features the Fractal Mania VGA screensaver, which color-cycles through 10 fractal scenes, and a discussion of differences between top-of-the-line monitors.

## This Month's FILE CLUSTER

Catch a wave, dude, for the ultimate in info-surfing: the File Cluster, consisting of uploads from various forums each searchable by the same keyword. This month: These belts and clips hold the key to what makes the world go 'round; and schemes that make one bags of it you hope will soon be found: MONEY.

**Money and ADD**—Forum members discuss with financial planner Tom McGlinchey money matters specific to people with ADD. Attention Deficit Disorder Forum (GO ADDFORUM), FINANC.TXT in Library 2, "Parenting Issues" (56,610 bytes).

**Bumper Classics**—A listing of some of the best bumper stickers from over the years. Automobile Forum (GO CARS), STICKE.LST in Library 8, "Motor Mouth" (9,334 bytes).

**George's Burning**—Ana Gervas' magazine illustration of President Washington's reaction to being "flamed." Computer Art Forum (GO COMART), BURN.GIF in Library 2, "Last Month's Images" (230,019 bytes).

**Money for Crafts**—The transcript of one of a series of 1991 "Making Money from Crafts" conferences, here with home-working gurus Paul and Sarah Edwards. Crafts Forum (GO CRAFTS), OCT91.CON in Library 1, "Help/Resources" (23,890 bytes).

**Learning Currency**—Capworld's high-resolution PC graphics and trivia-question format help teach kids geography; categories include capitals, language and monetary units. Education Forum (GO EDFORUM), CAPWOR.EXE in Library 2, "Software to Go" (132,736 bytes).

**Global Idea**—The text of a pamphlet describing the development of Local Exchange

FRACMA.ZIP (290,176 bytes)  
MONIT.THD (13,510 bytes).

Library 4, "Gen. Hardware," includes a popular CPU benchmark test of "real" power and System Information, a utility that reveals all kinds of diagnostic info about your system.

TEST.ZIP (14,208 bytes);  
SYSINF.ZIP (22,374 bytes).

**Newton's Newest**—Those who have bought Apple's well-known personal digital assistant should make a habit of visiting MAUG's Newton/PIE Forum (GO NEWTON) and its Library 8, "Newton Packages," for the latest fun and productivity applications. Among the more popular are: Shopping List, a grocery-shopping



Trading Systems (which don't use physical tokens) and their potential for changing the face of trading. Electronic Frontier Foundation Forum (GO EFFSIG), LETS.TXT in Library 12, "Life in Cyberspace" (55,574 bytes).

**Game Cheat**—If you have the PC-compatible *Civilization*, this TSR will reset your budget to maximum without having to exit the game. Gamers Forum (GO GAMERS), CIVCHE.ZIP in Library 3, "War/Strategy Games" (1,083 bytes).

**What Do Women Want?**—Greek gods? Sensitive guys? This was the touchy subject in this (two-part) 1992 thread. Human Sexuality Open Forum (GO HSX100), ADONS1.THD and ADONS2.THD in Library 5, "Singles Club" (27,970 bytes; 28,419 bytes).

**Home Accountant**—This Windows program tracks household expenses, budgets, bank accounts and credit cards, and creates charts and various reports. IBM Applications Forum (GO IBMAPP), HOMEAC.ZIP in Library 4, "Personal Acct" (264,597 bytes).

**Whole Lotto Winnings**—LottoProf gives sophisticated analysis capabilities for increasing lottery winnings. Tracks betting progress; includes more than 180 number wheeling systems and ability to print bet slips. IBM New Users Forum (GO IBMNEW), LTOPRF.ZIP in Library 9, "Sports & Chance" (161,992 bytes).



listmaker that lets you tap off items as you shop; Term-Limit, an experimental 2400-bps terminal emulator; *Newtris*, a *Tetris*-like game with sound; and a digital book that catalogs toll-free 800 numbers for airlines as well as hotel and car-rental chains.

SHPLST.SIT (26,880 bytes)  
TRMLMT.SIT (25,984 bytes)  
NEWTRI.BIN (29,440 bytes)  
800.SIT (10,752 bytes).

**Nature GIFs**—Some spectacular (and relaxing) views of the natural world with great Windows wallpaper potential are to be had in the Outdoors Forum's (GO OUTDOORS) Library 4, "Outdoor Graphics." A new series of photos by forum Sysop and award-winning photographer Tony Mandile includes an eagle silhouetted against a rising moon and sandhill cranes in flight at a New Mexico wildlife refuge. GIF files are

**Swiss Money Disk**—For people with money to protect, regardless of the amount, Swiss banks are considered the world's safest repositories. This PC-compatible electronic book by Adam Starchild tells you more. Investors' Forum (GO INVFORUM), SWISS.ZIP in Library 7, "Fin'l Plan./Taxes" (33,629 bytes).

**The Myths of Money**—This file explains common myths about banking and the money-creation process, such as do banks really loan out depositors' money and what bank profits really are. Issues Forum (GO ISSUES), MYTH.ZIP in Library 9, "Rush H. Limbaugh" (18,259 bytes).

**Primetime Jive**—If you find Sam Donaldson of ABC News annoying, you'll like this thread attacking his attitude about congressional honoraria for speeches. Journalism Forum (GO JFORUM), SPEECH.FEE in Library 11, "Ethics" (13,993 bytes).

**MacAmortize**—Shareware that creates amortized payment schedules that can be saved and printed, taking into account inflation and tax-deductible interest. Macintosh Applications Forum (GO MACAP), AMORTI.SIT in Library 5, "Accounting/Finance" (25,344 bytes).

**Clink!**—Macintosh sound of coins dropped in a cash register drawer, great for disk-insert event sound. Macintosh Entertainment Forum (GO MACFUN), CSOUND.CPT in Library 10, "Other Sounds" (9,600 bytes).

**Record Financing 101**—Going to release a music album independently on compact disc or tape? This file by Mike Lawson is must reading. Music/Arts Forum (GO MUSICARTS), MNY101.TXT in Library 13, "The Music Industry" (8,428 bytes).

**I Saved at the Office**—This archived thread discusses some general ideas on saving money in routine office management, including recycling and cellular phone access. PR and

available in three sizes; search the library using the keywords OUTDOORS or SCE-NIC.

**Where in the World**—Tucked away in the Practice Forum's (GO PRACTICE) Library 2, "Forum Scripts/Pgms," is a neat Windows utility for members who spend any time in online conferences: the CIS Node Locator. Type in the three-letter node code of other conference-goers and find out where they're logging on from.

NODES1.ZIP (62,492 bytes).

**Life Is a Highway**—If you're inclined to hit the road in something more than a car, visit the Recreational Vehicle Forum (GO RVFORUM) for information both anecdotal and economically valuable. Library 3, "Destinations/Parks," includes a series of four articles from member/writer Gerry

Marketing Forum (GO PRSIG), SAVE.STR in Library 1, "On Your Own" (15,562 bytes).

**Plunging Membership**—A discussion on how to start and run a scuba diving club, including collecting money for shipwreck dives. Scuba Forum (GO SCUBA), CLUB.TXT in Library 10, "Events & Clubs" (18,353 bytes).

**College Costs**—Fine-Ade introduces the major forms of financial aid available to college students and covers the terms encountered when discussing or applying for it. For PC compatibles. Student's Forum (GO STUFO), FINADE.ZIP in Library 4, "College/University" (100,352 bytes).

**Europe Advice**—A ZIPped version of the three-part file series on traveling to Europe, covering planning, packing, etiquette, food, payments and more. Travel Forum (GO TRAVSIG), EUROPE.ZIP in Library 8, "Europe" (42,871 bytes).

**U.K. Exchange**—Traveling in London? This thread discusses the pros and cons of several methods of currency exchange. U.K. Forum (GO UKFORUM), ATM.THD in Library 12, "Travel/UK Info" (12,543 bytes).

**RetireA**—This Windows retirement planning tool lets you enter monthly income, expenses and other info, and offers charts, graphs and other reports of monthly cash flow over a selected 30-year period. Windows Shareware Forum (GO WINSHARE), RETIRA.ZIP in Library 11, "Business/Finance" (232,531 bytes).

**Small Business Hotline**—Contact information for the Small Business Administration's BBS at their Washington, D.C., headquarters, plus sample listings of available downloads. Working From Home Forum (GO WORK), SBABBS.TXT in Library 2, "Business Info" (7,146 bytes).

Gurevich of *Camper's Monthly* about trips to Baltimore, Iowa's *Field of Dreams* site and a very windy Kansas.

ESCAPE.TXT (6,354 bytes)  
CAMDEN.TXT (8,262 bytes)  
FIELD.TXT (7,313 bytes)  
KANSAS.TXT (6,676 bytes).

Library 6, "Motorhomes," has thoughts from *Trailer Life's* Ten Minute Tech Editor Richard Mater on comparing gas and diesel motorhomes, and gasoline consumption in big-block engines.

GAS-DE.TXT (8,943 bytes)  
ENGINE.TXT (2,414 bytes).

**Star Trek**—Devoted fans of any of the TV program's incarnations will find files of use in the Science Fiction/Fantasy Forum's (GO SCIFI) Library 2, "Star Trek." Top downloads include: Issues of the *Date-line: Starfleet* electronic 'zine; the Ferengi Rules of Acquisition, as so far revealed on *Deep Space Nine*; an autographed studio portrait of actress Marina Sirtis; an electronic application and course catalog for the "Starfleet Academy" run by the international fan club; and a list of newspapers that carry the weekly "Inside Trek" column by Ian Spelling.

ZINExx.TXT (approx. 15,000-25,000 bytes)

RULES3.TXT (2,724 bytes)  
PVSRTS.GIF (265,609 bytes)  
SFACAD.ARC (7,924 bytes)  
INTREK.TXT (3,716 bytes).

**Sports On-screen**—Stop by the Sports Simulation Forum (GO SPRTSIM) for programs related to fantasy sport leagues and PC simulation games. Library 2, "Baseball," includes *Wild Pitch!*, which lets you test your skill as a big-league manager, selecting lineups, pitchers, defense, plays and more. A separate file includes 1993 team files.

WP11.ZIP (321,727 bytes)  
WP1993.ZIP (125,533 bytes).

Library 4, "Basketball," features MVP Software's *3 Point Basketball*, pitting you against such "ASBA" stars as Mystic Johnson and Larry Fowl in a long-range shootout with lots of digitized speech.

3POINT.ZIP (642,498 bytes).

Library 6, "Motorsports," has *Drag Race, The Game*, letting you assemble and alter a hot rod, then see how it does at the strip.

DRAG21.ZIP (133,886 bytes).



Following are summaries of hardware and software reviews available for reading this month in *Online Today*. To read the complete reviews, use the GO commands listed at the end of each summary.

## Hardware

### Sound Plus Voice Commands

The Windows Sound System (Microsoft Corp.) combines a 16-bit sound card with a microphone and a voice-recognition system. It lets users speak to their computers plus play back a variety of sounds and music. GO OLT-3920 for Hardin Brothers' review of this add-in board that claims to have all the features that business users will need. Visit the Microsoft Applications Forum (GO MSAPP) for support and additional information.

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## Software

### Word Jumps Four Versions

Word for Windows (Microsoft Corp.) has jumped from Version 2 to Version 6. Harry Green's review (GO OLT-5525) explains what is new in this product and how it compares to its competition. His review will help current users decide whether or not to upgrade to the new version. Visit the Microsoft Word Forum (GO MSWORD) for support and additional information.

### Quicken Improves

Quicken (Intuit) is the most popular personal financial software available. GO OLT-5535 for William J. Lynott's review of the latest version, Quicken 7 for DOS, and his explanation of how the best keeps getting better. Visit the Intuit Forum (GO INTUIT) and the IBM Applications Forum (GO IBMAPP) for additional information.

### Easy Hard Drive Repairs

Safe & Sound (Central Point Software) is a hard disk drive repair utility for Macintosh computers. Anthony Watkins' review of this product (GO OLT-5545) says that even though Safe & Sound is marketed for novice users, it may have a place on every Macintosh hard drive. He found that it does some things better than its most sophisticated competition. Visit the Central Point Win/Mac Forum (GO CPSWIN) for support and additional information.

### Making Windows Mac-like

If you're tired of the intricacies of the Windows interface and long for something more like the Macintosh, you may be ready for Third Dimension (Lucid Corp.). GO OLT-5555 for Franklyn Jones' review of this desktop shell, which brags that it gives users "the power of Windows, as easy as a Mac." Visit the Windows 3rd Party A Forum (GO WINAPA) for additional information and support.

### Drawing on a New Canvas

Canvas for Windows 3.5 (Deneba Software) is a professional drawing and paint program that was originally developed for the Macintosh. GO OLT-5565 for Christy Brothers' review of this new Windows version and her comparison of this program to its competition. Visit the Macintosh B Vendor Forum (GO MACBVEN) for additional information, support and update files.

### Simplify Spreadsheet Models

DS Lab (DS Group Inc.) is a "visual spreadsheet" that will supplement, not replace, your Windows-based spreadsheet. If you use a spreadsheet to create financial and mathematical models, GO OLT-5575 for Harry Green's review of this unusual product, which is available in three versions.

### Another New Word Processor

WordPerfect 3.0 for the Macintosh is WordPerfect Corp.'s latest attempt to win as much popularity in the Mac world as it has in the DOS and Windows markets. GO OLT-5585 for Anthony Watkins' review of this new word processor, which may have just the features that your Macintosh needs. Visit the WordPerfect forums (GO WORDPERFECT) for additional information and support.

### Capture, Convert Graphics Images

HiJaak Pro 2.0 (Inset Systems) is the newest in a long, respected line of image-conversion programs. The conversion program requires Windows; the screen-capture program works in both DOS and Windows. If your work involves capturing screen images or converting graphics from one file format to another, GO OLT-5595 for William J. Lynott's review of this respected product.

### Computerized Reading Tutor

FlashRead (PVA Systems), a speed reading program for IBM computers, teaches users how to read faster and with better comprehension. Christy Brothers' review of this unusual program (GO OLT-5605) explains how it works and what you can expect from it.

### Design and Publishing for Novices

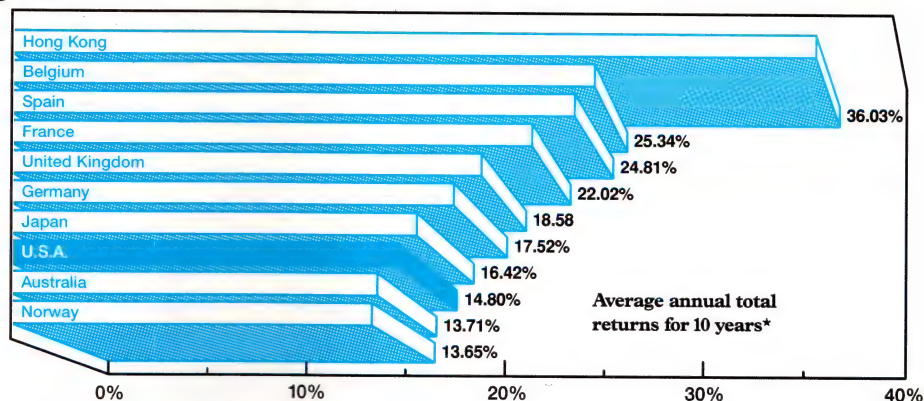
1st Design and 1st Press (GST Software) are inexpensive, entry-level desktop drawing and publishing programs that have a surprising number of features. If you want to get started in computer illustration or publishing, GO OLT-5615 for Franklyn Jones' review, which compares these programs to their competition.



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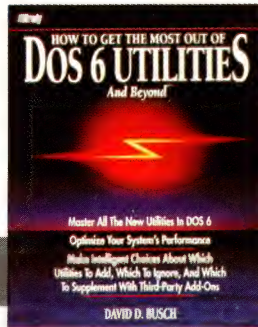
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\*Source: Lipper Analytical Services, Inc. For period ended 12/31/93. Average annual total returns are measured in U.S. dollars and include changes in share price, dividends paid and the gross effect of reinvesting dividends. In some years, the average of international markets has underperformed that of the U.S. market. The foreign countries shown above were selected from the Morgan Stanley Capital International Europe, Australasia, Far East (EAFE®) Index (16 countries in total for the 10-year period), which is an unmanaged index. The average annual total return of the EAFE® Index was 17.87% for the 10-year period; had the U.S. been included in the Index, it would have ranked 13 out of 17. This chart reflects the past performance of the U.S. and major non-U.S. stock markets and is not representative of future performance of those markets and is not intended to represent past or future performance of the Fund. In the pursuit of greater rewards, investments in foreign securities involve different and additional risks. EAFE® is the property of Morgan Stanley and Co., Inc.

For a Prospectus with complete information on management fee, charges and other expenses, call our toll-free number. Please read the Prospectus carefully before you invest. Dreyfus Service Corporation, Distributor.



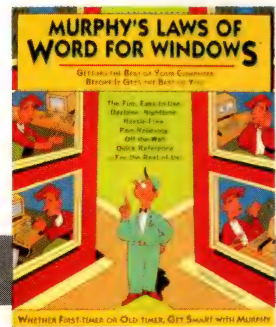
# Book Reviews



## How to Get the Most Out of DOS Utilities and Beyond

By David D. Busch  
Brady Publishing, 1993  
475 pages, \$24.94 (softcover)

It is the truly magnificent set of utilities in DOS 6.0 that makes it the ultimate upgrade. Delivering on its promise to help you get the most out of the DOS utilities, this book is among the most useful and worthwhile of its genre, says reviewer William J. Lynott. *GO OLT-5020*



## Murphy's Laws of Word for Windows

By Christian Crumlish  
Sybex, 1993  
356 pages, \$16.95 (softcover)

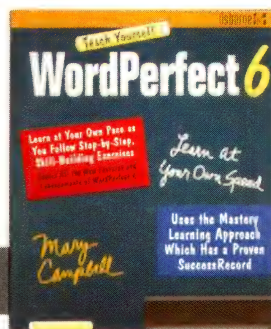
If you need to learn Word for Windows in a hurry, this well-written, plain English book will make your learning curve a pleasant stroll rather than a rock climb, says reviewer Robert Sanchez. Focusing on what can go wrong, the author provides useful tips for digging out of problems. *GO OLT-5050*

Following are summaries of book reviews available for reading this month in *Online Today*. To read the complete reviews, use the GO commands listed at the end of each summary.

## Making Money with Your Computer at Home

By Paul and Sarah Edwards  
Jeremy P. Tarcher/Perigee Books, 1993  
307 pages, \$10.95 (softcover)

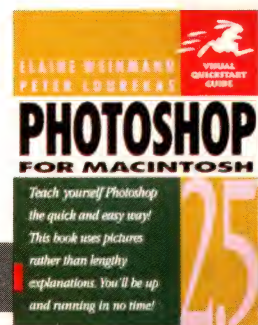
For those who have rationalized the substantial investment in a computer by saying the purchase could pay off some day, this book offers an incentive to dream as well as to plan, says reviewer Sharon Kahn. *GO OLT-5010*



## Teach Yourself WordPerfect 6

By Mary Campbell  
Osborne/McGraw-Hill, 1993  
526 pages, \$24.95 (softcover)

Forget weekend seminars to learn WordPerfect 6; get this book instead, says reviewer Paul A. Gilster, who notes that its logical layout and review of mastered skills combine to make it an effective business learning tool. *GO OLT-5030*



## Photoshop for Macintosh: Visual Quickstart Guide

By Elaine Weinmann & Peter Lourekas  
Peachpit Press, 1993  
250 pages, \$18 (softcover)

Through a detailed set of tutorials and screen shots, this book introduces Adobe Photoshop's capabilities. Compact in size, easy to read, full of good tips and reasonably priced, it is the best book on the market for Photoshop users, says reviewer Anthony Watkins. *GO OLT-5060*

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## Mac Classic & SE Repair and Upgrade Secrets

By Larry Pina  
Peachpit Press, 1993  
283 pages, \$28 (softcover)

This handy little text's motto is: "Why pay \$250 when all you really need is a \$2 part?" Written for nontechnical Mac users who need to make the occasional repair or system upgrade, it provides solid advice on key hardware areas. Reviewer John Edwards says it deserves a place on any Mac Classic or SE owner's bookshelf. *GO OLT-5040*



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The Mall's Slam Dunk Contest, See Page 5!

Sample New Music With *BBC Music Magazine*, See Page 12





Dear Mall Shopper:

"March Madness" is in the air this month as The Mall's Slam Dunk contest tips off on March 1. If you know your hoops, you could win any of dozens of exciting prizes — including the Grand Prize, a Championship Team Ball (\$799 value), compliments of Hammacher Schlemmer. See page 5 for details.

St. Patrick's Day and Easter are right around the corner, too. You'll find great gifts to fit each occasion on page 4.

The Mall's Fiscal Fitness Center continues this month with great money-saving and money-making ideas — everything you need to shape up your finances. See page 8.

Welcome this month to four new Mall stores: Colonel Video & Audio (GO CVA), ASU (GO ASU), U.S. News Magazine (GO USM) and BBC Magazine (GO BBCM). Remember, you can shop these new stores — and any Mall store — connect-free, 24 hours a day.

See you online!

*Keith Arnold*

Keith Arnold  
Electronic Mall Manager



### Soar with Michael Jordan in Rare Air and save 20% during March!

Rare Air is the first and only authorized book by the man who's taken basketball to new heights. Catch a glimpse of Michael's never-before-seen private life, visit the training room, see his home and family. 129 color photos, 112 pgs. Paperback: retail price \$25, sale price \$20; hardcover: retail price \$50, sale price \$40.

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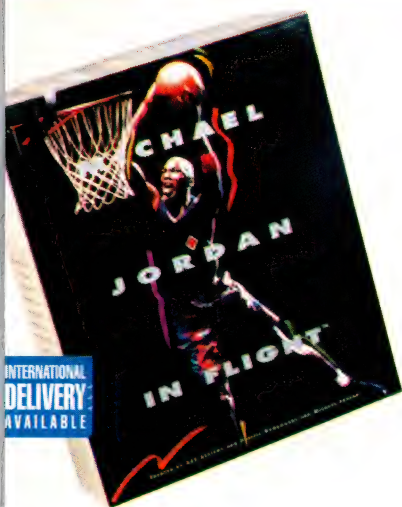
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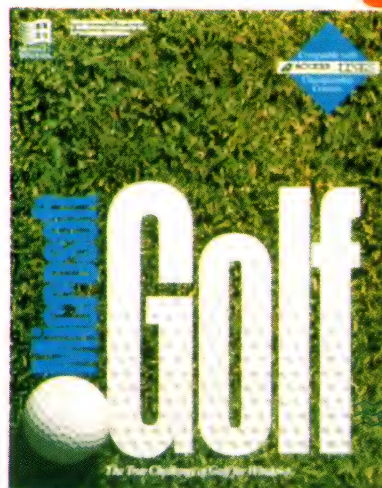
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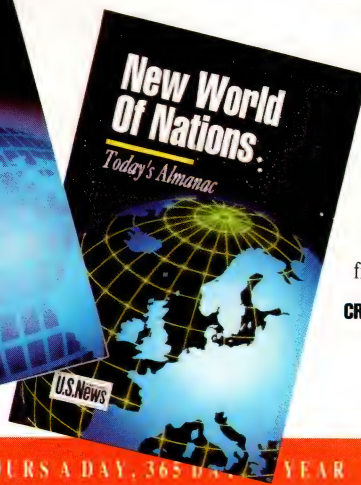
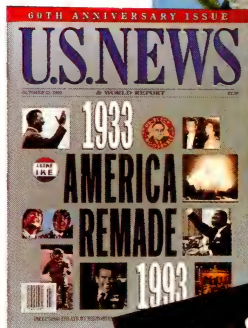
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# SLAM DUNK

## CONTEST



### Win a Championship Team Autographed Basketball!

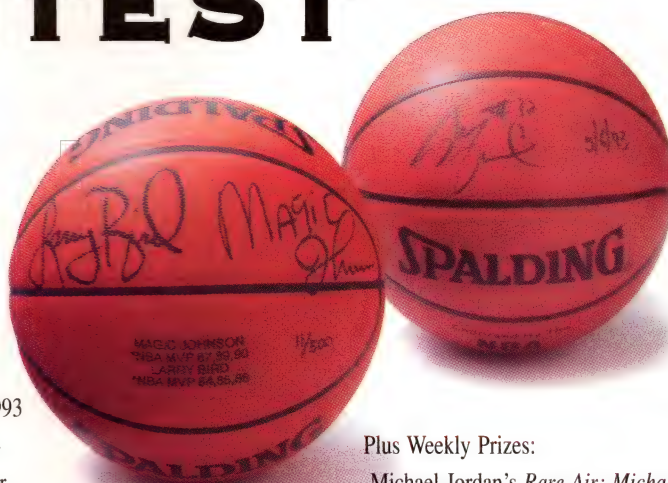
Here's your chance to go one-on-one to win exciting prizes in The Mall's Slam Dunk Basketball Contest!

Here's the game plan: Each week from March 1 through April 26, 1993 there'll be a new contest. You'll have a chance to score points by answering a series of three multiple-choice basketball questions. Answer all three questions correctly and you'll be entered in that week's drawing for great prizes. Each week you answer the series of questions correctly puts you in the running for the Grand Prize! You'll find complete rules and regulations online.

Here's the prize line-up:

#### GRAND PRIZE:

You could win your choice of a Championship Autographed Team Basketball for the 1986 Boston Celtics or the 1988 Los Angeles Lakers (retail value \$799), or an official, NBA-licensed Spalding® basketball personally signed by Larry Bird and Magic Johnson (retail value \$499). Compliments of Hammacher Schlemmer, GO HS.



#### Plus Weekly Prizes:

— Michael Jordan's *Rare Air: Michael on Michael*, hardcover; retail value \$50.

Compliments of HarperCollins Online, GO HAR.

— NBAopoly game, retail value \$19. Compliments of Sunglasses, Shavers & More, GO SUN.

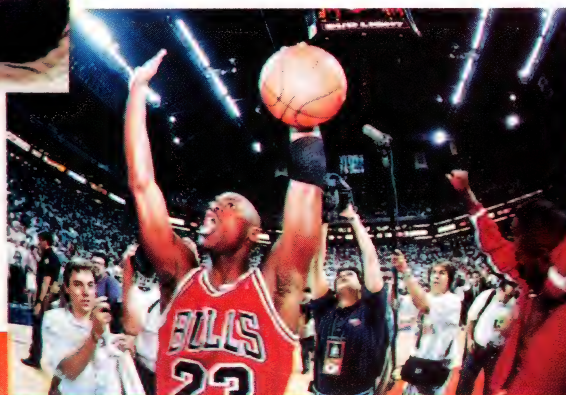
— *NCAA Basketball: Road to the Final Four* software, retail value \$69.95. Compliments of Computer Express, GO CE.

— A \$10 CompuServe connect-time credit. Compliments of The Electronic Mall, GO MALL.

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Use this handy table when placing your order.

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American Express	AE
Americana Clothing	AC
ASU	ASU
AT&T Online Store	DP
Austad's	AU
Automobile Information Center	AI
AutoQuot-R	AQ
AutoVantage Online	ATV
BBC Magazine	BBCM
BMG Compact Disc Club(GO BMG)	CD
Book-Of-The-Month Clubs	BOMC
Books On Tape	BOT
Boce Express Music	BEM
Bretton Harbor Baskets and Gifts	BH
Broderbund Software	BB
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Buck Magazine	BUICK
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Coffee Anyone ???	COF
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Computer Express	EXPRESS
Computer Shopper	CS
Concord Direct	CA
Contact Lens Supply	CL
Continental Insurancecenter	CIC
Cosmetics Express	CM
Critics' Choice Video	CCV
Crutchfield Electronics	CFD
Dalco Computer Electronics	DA
Data Based Advisor	DB
Dial-A-Mattress	BEDS
Digital's PC Store	DD
Direct Micro	DM
Dreyfus Corporation	DR
Entrepreneur Group	ENT
Epic MegaGames	EP
Executive Stampler	EX
Figli's Gifts	FG
Fine Jewelry Outlet	FJO
Florida Fruit Shippers	FFS
Flower Stop	FS
Ford Electronic Showroom	FORD
Ford Motor Company	FMC
Fortune Book Club	FCB
Garrett Wade Woodworking	GW
The Gift Sender	GS

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## Shipping Information

Shipping destinations and methods differ from store to store. Many stores will ship virtually anywhere in the world. Others ship to the U.S. and Canada, or to the U.S. only.

Shipping options differ, too. In addition to standard UPS ground, many merchants also offer one, two or three-day rush delivery for an added fee. In some cases, the price online

includes shipping and handling anywhere in the continental U.S. Use the handy guide on these two pages as a quick reference for each store's shipping policies.

[illegible]



## Shape Up Your Finances With The Mall's Fiscal Fitness Center!

There's still time to tighten up your finances, trim your taxes and firm up your future with a visit to The Mall's Fiscal Fitness Center. You'll find tax-time software; books, videos and audio tapes on financial management; investment information; plus **free demo downloads**, **free** gifts and connect-time credits! GO FFC

Here are a few of the special offers you'll find:

- Order any *TaxCut* software program by MECA at Computer Express and get a \$5 connect-time credit. GO CE
- Choose three business best-sellers for \$2 each at Fortune Book Club and agree to buy only two more books in the next year! GO FCB
- Apply for a CompuServe Visa® card at the CompuServe Visa Store and receive a \$27.50 usage credit upon approval! GO CARD



### Get Great Computer Savings at the CompuServe Store's Super Sale!

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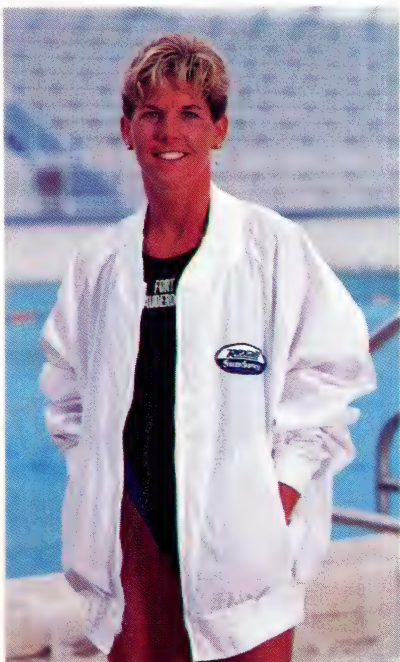
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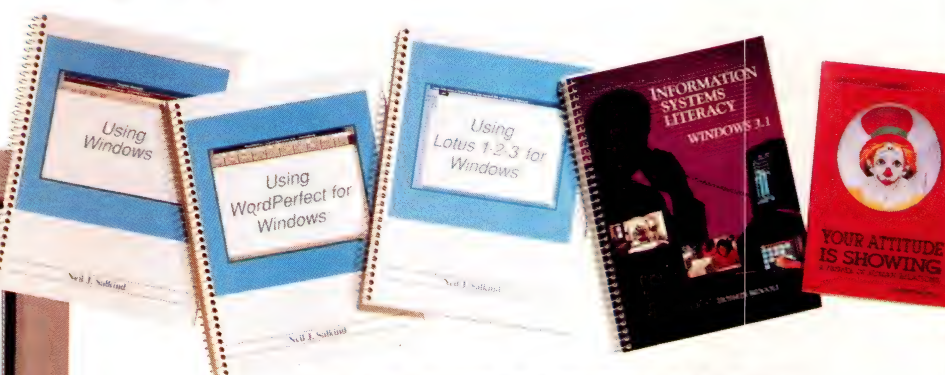
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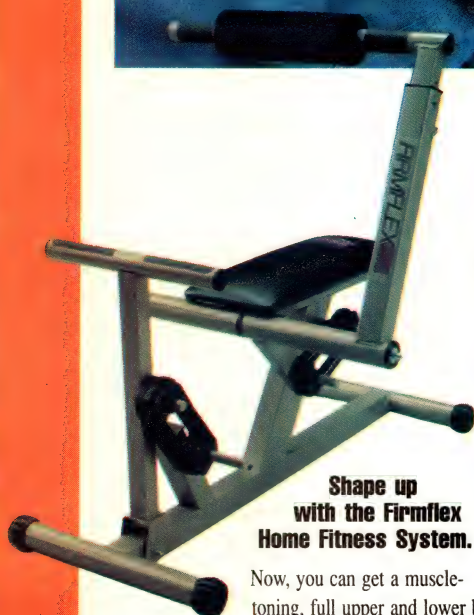
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# Attack on Aging!

... A conversation with Dr. Allan Bruckheim... "The Family Doctor" and SDV's Medical Advisor.

Every day, more and more research is being published about the importance of getting enough fruits and vegetables in your daily diet.

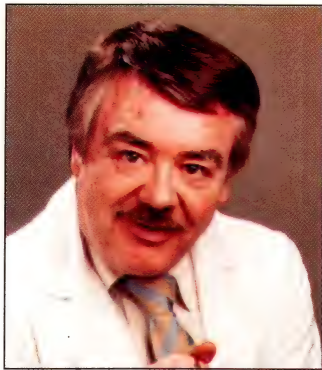
Unfortunately, not everyone can or does consume enough of these disease preventing foods that have such a positive effect on your quality of life. There is a strong association between diets high in these foods and lower incidences of certain diseases.

While not substitutes for a balanced diet, I regularly advise my patients to supplement their diets with a specific group of vitamins, called Antioxidants. Exactly what are the facts about these dietary supplements?

**FACT:** Research now says specific vitamins and nutrients have the marvelous ability to keep you young. Considerable evidence points to these same vitamins and nutrients as a factor in the prevention of some serious afflictions such as heart disease and cancer.

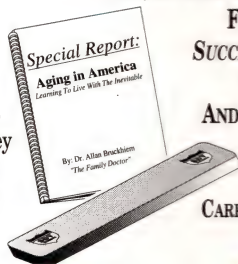
**FACT:** Most Americans don't get enough of these protective vitamins and nutrients. Tell them about vitamins and they say, "Yes, but I'm confused. I've heard about this one and that one." Not sure about which vitamins are right for you? No wonder. But here, at last, is sensible information from SDV about today's powerful vitamins.

Four vitamins and supplements — the *Antioxidants* — are now being recognized in the battle to stay young and vigorous, plus fight against deadly "free radicals." Free radicals are those little pests in the bloodstream that mess up our cells and are present in many cancers. The key is prevention of cell oxidation — literally, rusting out, which not only causes us to grow old but also weakens cell walls and lets those free radicals come pouring through. *Antioxidant deficiency* is



Dr. Allan Bruckheim is a noted Physician, Lecturer, Researcher, Author and Columnist. His CD-ROM Program, "The Family Doctor", is the country's #1 selling disk. Dr. Bruckheim's column, "The Family Doctor" is syndicated nationally by Tribune Media Services.

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**Vitamin E** is reported to be the wonder vitamin of our time. Publications such as *Newsweek* and *USA Today* say recent studies show Vitamin E not only could help protect arteries from cholesterol damage, but more dramatically, seems to reduce the risk of heart disease by an astounding 40%.

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Proper nutrition is essential for everyone, but it is imperative for those over the age of 50. We tend to slow down and eat less, therefore not getting enough of the nutrients our bodies need. The good folks at SDV are giving away, for free, my report on learning how to live with the inevitable, to anyone who purchases supplements from them through this ad (with a minimum order of \$20). Let's face it, we age every day, let's learn how to make the process one that we can live with.

- Dr. Allan Bruckheim...  
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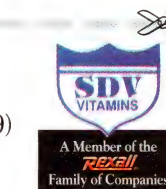
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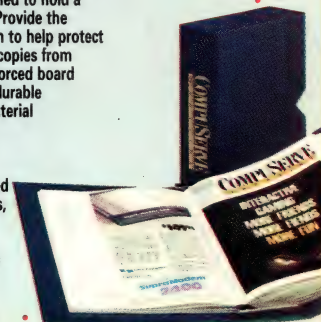
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## Readers' Writes

### How to Get the Most Out of CompuServe

with Charles Bowen



**How can I switch from the Standard Pricing Plan to the Alternative Pricing Plan?**

**Stephan Dieter**  
Augsburg, Germany

To switch from one pricing plan to another (or just to get the latest information on them), GO CHOICE, which produces a list of options, including those to read about or join either pricing plan, and to see a summary of the differences between them.

**I've been exchanging e-mail with a friend on America Online through the Internet gateway. Last October, his letters started arriving "Postage Due." I can't find any listing for "postage" on my billing details. What is this costing me and why is it happening now?**

**Nancy Davis**  
Placentia, California

The "Postage Due" message is meant as a reminder to you that reading/downloading any Internet message is a surcharged activity. (At this writing, the cost is 15 cents for the first 7,500 characters and five cents for each additional 2,500 characters.) The message is not meant to suggest further expenses beyond these, which have been in effect all along. (I imagine the "Postage Due" was added simply because some users didn't realize Internet message reading was surcharged.)

**I am giving CompuServe Information Manager to a friend as a gift, and I want to include three months of basic service with it. Is it possible for me to establish a credit with CompuServe for my friend's new account?**

**Chris Jacobsen**  
Mesa, Arizona

You can purchase a \$25 gift certificate good toward connect-time and other CompuServe charges. These certificates can be

purchased in the free Online Order Service (GO ORDER). Choose Option 3, "Order from CompuServe Store," from the main menu, then select Option 10, "Miscellaneous Items," followed by Option 2, "Gift Certificate." For friends who are not yet members, you also can purchase CompuServe Membership Kits in the ORDER area. Choose the option for CompuServe Membership Kit, then select "Universal Membership Kit" from the product menu.

**I am trying to find a copy of the Clinton Administration's health-care plan or at least an outline that I could download and review. I'm not sure where to look.**

**Carl Shapiro**  
Thornhill, Ontario, Canada

The entire 1,336-page Clinton health-care proposal can be retrieved from the libraries of CompuServe's Political Debate Forum (GO POLITICS). In the forum's Library 4, "Health Care," are the complete text as an ASCII file (HSPLN.TXT, 363,201 bytes) and an archived file (HSPLAN.ZIP, 111,034 bytes). Better still, you also can view selected sections of the plan by browsing the library with the keywords HEALTH SECURITY, which displays some 30 smaller files that break out the proposal's text on such topics as financing health coverage, making the transition, government programs, Medicaid, Medicare, health-care

access initiatives, fraud and abuse, anti-trust reform, malpractice reform, long-term care, creating a new health workforce, protection of privacy, health plans, corporate alliances and more. This information also can be found in the Democratic Forum (GO DEMOCRATS), Library 8, "Health Care Reform," files LEGIS.ZIP and LEGIS.EXE, and in the White House Forum (GO WHITEHOUSE), Library 6, "Health Care," files HSACTB.ZIP and HSA.TXT.

**Is there a file with all the "GO" words for the various services on CompuServe that I can download for offline reference?**

**Dennis J. Miller**  
Kokomo, Indiana

Yes, there is. You can capture all the quick reference words for offline reference. GO INDEX and, from the resulting menu, select the "List All Index Topics" option. Open your capture buffer or log file and grab the list. At this writing, it runs about 42K. All the features are named and the GO words follow in brackets, as in [IBMNET].

*Charles Bowen is a contributing editor of CompuServe Magazine and co-author of the How to Get the Most Out of CompuServe book series and author of CompuServe from A to Z from Random House.*

Send questions to CompuServe User ID number 70007,411. If your question is answered in this column, we'll apply a \$25 connect credit to your CompuServe account.

### Mensa® Puzzler

This month's puzzle was submitted by CompuServe member Peter J. Horwood. You'll find the answer in the Mensa Forum's News Flash (GO MENSA).

It is Dave's birthday and the waitress brings him a small chocolate cake, 6 centimeters high, 8 centimeters wide and 8 centimeters long with creamy icing on the top and all four sides. Dave decides it is too much after the big meal and decides to share it equally with Martha and Gordon. He wants to make two straight cuts and end up with each person receiving exactly the same amount of icing and



the same amount of cake. How should Dave cut the cake?

Do you have a Puzzler that you'd like to share with CM readers? Send your entry of no more than five brief puzzles (with answers) to: Puzzlers, CompuServe Magazine, P.O. Box 20212, Columbus, OH 43220. Include your full name, address, daytime telephone number and CompuServe User ID number. Puzzles that are not sensitive to character positioning may be sent by CompuServe Mail to User ID number 76004,3302. If your puzzle is used here, we'll credit \$35 to your CompuServe account.



## Graphic of the Month

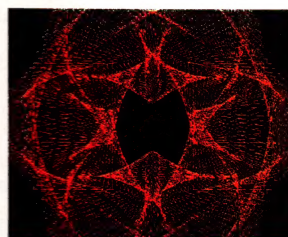


CM's Graphic of the Month for March is a GIF image of the St. Louis Cathedral and Jackson Square in New Orleans by Mike Perry. The picture was taken with a Nikon 8008s, scanned on a Microtek Scanmaker II with an IBM-compatible PC, then processed in Aldus PhotoStyler and Corel PhotoPaint. The file, MP004.GIF, can be found in the Computer Art Forum's (GO COMART) Library 7, "Potpourri." Perry is president of Progressive Computer Services, a small software publishing company, and integrates his hobbies of photography and music with computers.

*Note:* The image identified as PIANO1.GIF in January's Graphic of the Month is incorrect. The correct image (left) is in Library 9, "POV Images," of the graphic Developers Forum (GO GRAPHDEV).



If you have a favorite image on CompuServe, consider nominating it as a Graphic of the Month. Provide the file name and identify the forum and library where the image is stored (do not send the files themselves) and send the information by CompuServe Mail to User ID number 76004,716. If the image you nominate is published in this column, you and the image uploader/creator will receive a \$25 CompuServe account credit. Image uploaders/creators are permitted to nominate themselves, but only one \$25 credit is applied to each member.



This month's runners-up are "Endeavour Takes Off on Hubble Mission" by *Florida Today* photographer Craig Rubadoux, found in the *Florida Today* Forum's (GO FLA-TODAY) Library 1, "Space," LIFTOF.GIF (159,449 bytes); and "Spinning Red Square" by Jack Tannian, found in the Computer Art Forums' (GO COMART) Library 7, "Potpourri," WIZART.GIF (28,985 bytes).

## MEMBER ESSAY

### Racy News

My husband and I both enjoy bicycle racing, a well-established sport in Europe, but one that is just starting to attract interest in the United States. Here, it is hard to find news on the frequent races, which the European media covers with the same fervor as U.S. news covers baseball or basketball. By the time we receive the monthly bicycling magazine we subscribe to, their race results are more than two months old.

But with CompuServe's Executive News Service, we set up a personal clipping folder to retrieve articles on bicycle racing. To our delight, we found that Reuters offers excellent, same-day race coverage, giving us not only results but also details of the races and personal interest stories on some of the racers. We now can enjoy up-to-date coverage of one of our favorite sports.

Brenda Wiley  
Berea, Kentucky

Compete for \$50 worth of connect-time credits in *CompuServe Magazine's* monthly Member Essay contest. Write a 200-word essay describing an original way you've used the Information Service and send it to CompuServe User ID number 76004,3302. Include your full name and address.

## Reader Tips of the Month

Not wanting to log on to CompuServe every time I used my computer, I found the large, WinCIM window a mild annoyance. To neaten things up, try this simple fix:

At startup, drag the CompuServe window to a corner of the screen. Then drag the WinCIM icon to any other window on your screen (I chose the Microsoft Applications window). This will leave only the CompuServe Directory, Read Me and CIM Instructions in the main window. Minimize this window. It will appear as an icon at the bottom of the program manager while leaving the WinCIM icon in the applications window. Now, on startup, your screen will have its original neat appearance, and you can run WinCIM normally by just double-clicking the icon in its new location.

John H. Hollner  
Colonie, New York

Shareware authors tend to update their software more often than large retail developers do. However, this causes problems when I browse software libraries. Upon seeing a shareware program I like, I can't tell if it's a newer version.

Some installation programs list the version number in the description. For those that don't, it would help browsers to add the version number to the icon description line of each program. If there is any question as to whether the online library listing is an update, I can simply minimize WinCIM, open the group where the program resides and see which version is on my system. To check the version number, start it and click on the Help menu, then on the About item. This brings up a screen that includes the version number of the program.

After closing the program, open the

group that contains the program whose description you want to modify. Click on the program's icon once to highlight it. Click on Program Manager's File menu. Click on Properties to open the program's description form. Add the version number after the name of the program in the Description field. Click on OK and you're done.

Rebecca Tracy  
Columbus, Ohio

Have a good tip about using the Information Service that you'd like to share with other CompuServe members? Send it to CompuServe User ID number 76004,3302 and type "Tip of the Month Contest" on the subject line. If your tip is published in this column, we'll apply a \$25 connect-time credit to your CompuServe account.



# UPDATE



## Try Our Low-Rate, No-Fee Credit Card

CompuServe members are now eligible for CompuServe Gold VISA and Classic VISA credit cards, which feature low interest rates of 12.9 percent and 14.9 percent respectively and no annual fee. For details, visit the CompuServe VISA Store in The Electronic Mall. GO CARD



## Epic Presents Free Games

Each month, download a Game-of-the-Month, such as Epic's newest game, Heartlight (above), free in the Epic MegaGames area online. Each Game-of-the-Month costs \$3, is accompanied by a \$3 usage credit and is free of connect-time charges. GO EPIC

Download any of the more than 450 U.S. Internal Revenue Service tax documents online, including current forms, instructions and publications. Formatted in Adobe System's Portable Document Format, the documents maintain their look regardless of the hardware used to view or print them. Adobe's Acrobat Reader, necessary to access the documents, is available online for the cost of connect time. GO TAXFORMS

The Missing Children Forum, free of connect-time charges, provides up-to-the-minute information about missing children, including GIF images. GO MISSING

Find information on more than 200,000 records and the artists who made them in the All-Music Guide searchable database. Search by such categories as artist/group name, album title, song title and genre. GO ALLMUSIC

European members who take a European membership survey receive a \$10 usage credit. Your answers will help CompuServe better meet your needs. The survey is free of connect-time charges. GO SURVEY

During March, first-time users of Computer Library Online receive up to a \$5 rebate on surcharges from their first session. Save on articles in Computer Database Plus, product specifications in Computer Buyer's Guide and advice and software in Support On Site. GO COMPLIB

Use TRW Business Credit Profiles and save \$15 off the normal \$34 full-report charge in March. TRW Business Credit Profiles contains payment and accounts receivable information for more than 13 million U.S. business establishments. GO TRW

In March, first-time users of Magazine Database Plus receive a transaction charge rebate on two articles viewed or downloaded during their first session. Use Magazine Database Plus to find full-text articles from more than 140 titles such as *Time*, *Jet* and *People*. GO MAGDB

Get support for Unix in the SunSoft and SunSelect Forum. Forum libraries contain product information on Solaris Sparc, Solaris X86 and Interactive Unix, including upgrading guidelines, help and utility files, data sheets and answers to installation questions. GO SUNSOFT or GO SUNSELECT

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Computer Library Online is easy to access — just type GO COMPLIB from anywhere in CompuServe. And if you try it before April 1, 1994, we'll give you a \$5 usage credit.\* Computer Library Online is an absolute must for all computer buyers.

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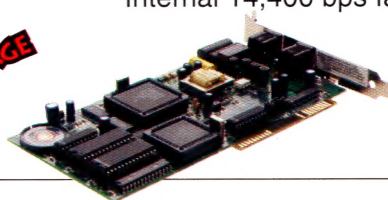
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